

# Memorandum

Date : September 5, 2001

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File: Spartan San Jose

To: William J. Keese, Chairman  
Michal C. Moore, Ph.D  
Robert A. Laurie  
Robert Pernel  
Arthur H. Rosenfeld, Ph.D

From: California Energy Commission -  
1516 Ninth Street  
Sacramento, CA 95814-5512

Steve Larson  
Executive Director

Subject: **SPARTAN I ENERGY CENTER DATA ADEQUACY RECOMMENDATION (01-AFC-13)**

We have reviewed the Spartan I Energy Center Application for Certification (AFC) filed by Spartan Power LLC, on August 9, 2001. We do not believe the AFC meets the requirements of the Cal. Code of Regulations, Title 20, § 1704, Appendix B for the twelve-month process. Therefore, we recommend that the Energy Commission find the AFC inadequate and adopt the enclosed list of deficiencies. Of the 23 technical disciplines reviewed, we believe the information contained in the AFC is deficient in 15 areas pertaining to the twelve-month process. The sections of the AFC that require additional information to meet data adequacy for the twelve-month process are: Air Quality, Biological Resources, Cultural Resources, Land Use, Noise, Paleontological Resources, Project Overview, Public Health, Reliability, Socioeconomics, Soil Resources, Traffic and Transportation, Transmission Systems Engineering, Visual Resources, and Water Resources. Attached is a summary table and data adequacy worksheets for all technical disciplines. The worksheets for the aforementioned sections identify the additional information that we believe is necessary to fulfill the AFC data adequacy requirements.

Additionally, the applicant requested an expedited six-month process allowed under Public Resources Code §25550 (AB 70, Chapter 329, Statutes of 2000). However, after review of the AFC, staff does not believe it meets the additional data adequacy requirements of the six-month process. We, therefore, also recommend that the Energy Commission find the AFC inadequate and adopt the enclosed list of deficiencies. Of the 23 technical disciplines, we believe the information contained in the AFC is deficient in ten areas. The sections of the AFC that require additional information to meet data adequacy for the six-month process are: Air Quality, Biological Resources, Cultural Resources, Land Use, Project Overview, Socioeconomics / Environmental Justice, Traffic and Transportation, Transmission Systems Engineering, Visual Resources, and Water Resources. Worksheets identifying the additional information needed to qualify for the six-month process are included in the attachment. For a project to qualify for the six-month process, the AFC must meet both the additional six-month criteria and the twelve-month criteria.

At the Energy Commission's business meeting on September 19, 2001, I will recommend that the Energy Commission not accept the AFC until the additional information specified in the data adequacy worksheets is supplied.

If you have any questions, please call Kevin Kennedy, Energy Commission's Project Manager, at (916) 651-8836.

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STEVE LARSON  
Executive Director

SL:KK:kk

Attachments

cc: Jim Brady, WZI Inc.  
Jason DiNapoli, Spartan Power LLC  
Bay Area Air Quality Management District

**SPARTAN I ENERGY CENTER DATA ADEQUACY DETERMINATION  
(12-MONTH AND 6-MONTH DATA ADEQUACY)**

Technical Area	Data Adequacy			
	12-Mo.	Page No.	6-Mo.	Page No.
Air Quality	No	1	No	6
Alternatives	Yes	9	N/A	--
Biological Resources	No	10	No	14
Cultural Resources	No	16	No	20
Efficiency	Yes	21	N/A	--
Facility Design	Yes	23	Yes	26
Geological Hazards	Yes	27	Yes	29
Hazardous Materials	Yes	30	Yes	32
Land Use	No	34	No	37
Noise	No	39	Yes	43
Paleontological Resources	No	44	Yes	47
Project Overview	No	48	No	52
Public Health	No	54	Yes	56
Reliability	No	58	N/A	--
Socioeconomics/ Environmental Justice	No	60	No	69
Soil Resources	No	71	Yes	73
Trans Line Safety/Nuisance	Yes	74	Yes	77
Traffic and Transportation	No	78	No	81
Transmission System Engineering	No	82	No	86
Visual Resources	No	89	No	92
Waste Management	Yes	93	Yes	96
Water Resources	No	97	No	101
Worker Safety	Yes	103	Yes	105

**ATTACHMENT B**

**ENERGY COMMISSION STAFF'S  
List of Data Inadequacies**

**SPARTAN I ENERGY CENTER  
(01-AFC-13)**

September 5, 2001

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**  
 Technical Area: **Air Quality**  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Project: Spartan I Energy Center  
 Docket: 01-AFC-13

Revision No. 0 Date 8/21/01  
 Technical Staff: Tuan Ngo, P.E.  
 Technical Senior: Matt Layton, P.E.

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 5.2.1, Pages 5.2-1 to 5.2-12 Section 5.2.4, Pages 5.2-29 to 5.2-40 Appendix L.2 Appendix L.3 Section 5.2.9, Pages 5.2-45 to 5.2-48	Yes	
Appendix B (g) (8) (A)	The information necessary for the air pollution control district where the project is located to complete a Determination of Compliance.	Section 5.2.3.2, Pages 5.2-19 to 5.2-26 Section 5.2.5, Pages 5.2-41	No	Please provide a copy of the District's letter confirming that your application is complete.  Section 3.4.4 states that the gas turbine will utilize a selective catalytic reduction system (SCR) to abate the NOx emissions to 5 ppm. Section 5 states that the turbine NOx emissions using SCR will be limited to 3 ppm. Please clarify which NOx emission limit is correct.
Appendix B (g) (8) (B)	The heating value and chemical characteristics of the proposed fuels, the stack height and diameter, the exhaust velocity and temperature, the heat rate and the expected capacity factor of the proposed facility.	Appendix L .9	No	Please provide a fuel gas analysis showing the sulfur content of the fuel gas.  Please provide a physical description of the turbines and diesel engine, which includes stack height, stack diameter, the exhaust velocity and temperature, and the heat rate and expected capacity of the proposed facility.
Appendix B (g) (8) (C)	A description of the control technologies proposed to limit the emission of criteria pollutants.	Section 5.2.3.2, Pages 5.2-19 to 5.2-26	Yes	
Appendix B (g) (8) (D)	A description of the cooling system, the estimated cooling tower drift rate, the rate of water flow through the cooling tower, and the maximum concentrations of total dissolved solids.	Not Needed, no cooling tower proposed.	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**  
 Technical Area: **Air Quality**  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 8/21/01  
 Technical Staff: Tuan Ngo, P.E.  
 Technical Senior: Matt Layton, P.E.

Project: Spartan I Energy Center  
 Docket: 01-AFC-13

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (E)	The emission rates of criteria pollutants from the stack, cooling towers, fuels and materials handling processes, delivery and storage systems, and from all secondary emission sources.	Section 5.2.4.1, Pages 5.2-26 to 5.2-27	Yes	
Appendix B (g) (8) (F)	A description of typical operational modes, and start-up and shutdown modes for the proposed project, including the estimated frequency of occurrence and duration of each mode, and estimated emission rate for each criteria pollutant during each mode.	Section 5.2.4.2.3, Pages 5.2-34	Yes	
Appendix B (g) (8) (G)	The ambient concentrations of all criteria pollutants for the previous three years as measured at the three Air Resources Board certified monitoring stations located closest to the project site, and an analysis of whether this data is representative of conditions at the project site. The applicant may substitute an explanation as to why information from one, two, or all stations is either not available or unnecessary.	Section 5.2.1.3, Tables 5.2-2 to 5.2-5, Pages 5.2-1- to 5.2-11	Yes	
Appendix B (g) (8) (H)	One year of meteorological data collected from either the Federal Aviation Administration Class 1 station nearest to the project or from the project site, or meteorological data approved by the California Air Resources Board or the local air pollution control district.	Appendix L.1	Yes	
Appendix B (g) (8) (H) (i)	If the data is collected from the project site, the applicant shall demonstrate compliance with the requirements of the U.S. Environmental Protection Agency document entitled "On-Site Meteorological Program Guidance for Regulatory Modeling Applications" (EPA - 450/4-87-013 (August 1995), which is incorporated by reference in its entirety.)	N/A	N/A	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**  
 Technical Area: **Air Quality**  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 8/21/01  
 Technical Staff: Tuan Ngo, P.E.  
 Technical Senior: Matt Layton, P.E.

Project: Spartan I Energy Center  
 Docket: 01-AFC-13

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (H) (ii)	The data shall include quarterly wind tables and wind roses, ambient temperatures, relative humidity, stability and mixing heights, upper atmospheric air data, and an analysis of whether this data is representative of conditions at the project site.	Appendix L.1	Yes	
Appendix B (g) (8) (I)	An evaluation of the project's direct and cumulative air quality impacts, consisting of the following:			
Appendix B (g) (8) (I) (i)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert pollutant impacts of project construction activities on ambient air quality conditions, including fugitive dust (PM <sub>10</sub> ) emissions from grading, excavation and site disturbance, as well as the combustion emissions [nitrogen oxides (NO <sub>x</sub> ), sulfur dioxide (SO <sub>2</sub> ), carbon monoxide (CO), and particulate matter less than 10 microns in diameter (PM <sub>10</sub> )] from construction-related equipment;	Section 5.2.4.2, Pages 5.2-30	Yes	
Appendix B (g) (8) (I) (ii)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert criteria pollutant (NO <sub>x</sub> , SO <sub>2</sub> , CO and PM <sub>10</sub> ) impacts on ambient air quality conditions of the project during typical (normal) operation, and during shutdown and startup modes of operation. Identify and include in the modeling of each operating mode the estimated maximum emissions rates and the assumed meteorological conditions; and	Section 5.2.4.2, Pages 5.2-28 to 5.2-36 Appendix L.6	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**  
 Technical Area: **Air Quality**  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Project: Spartan I Energy Center  
 Docket: 01-AFC-13

Revision No. 0 Date 8/21/01  
 Technical Staff: Tuan Ngo, P.E.  
 Technical Senior: Matt Layton, P.E.

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (I) (iii)	A protocol for a cumulative air quality modeling impacts analysis of the project's typical operating mode in combination with other stationary emissions sources within a six mile radius which have received construction permits but are not yet operational, or are in the permitting process. The cumulative inert pollutant impact analysis should assess whether estimated emissions concentrations will cause or contribute to a violation of any ambient air quality standard.	Section 5.2.4.3, Pages 5.2-40	Yes	
Appendix B (g) (8) (J)	If an emission offset strategy is proposed to mitigate the project's impacts under subsection (g)(1), provide the following information:	No offset is proposed	No	The project's emissions will contribute to existing violations of the federal ozone, and the state ozone and PM10 air quality standards. Offsets are needed. Please provide emission reduction credits to offset the project emission contribution to ambient air.
Appendix B (g) (8) (J) (i)	The quantity of offsets needed;		No	
Appendix B (g) (8) (J) (ii)	Potential offset sources, including location, and quantity of emission reductions; and		No	
Appendix B (g) (8) (J) (iii)	Method of emission reduction.		No	
Appendix B (g) (8) (K)	A topographic map containing contour and elevation data, at a scale of 1:24,000, showing the area within 6 miles of the power plant site.		No	Please provide a topographic map containing contour and elevation data, at a scale of 1:24,000, showing the area within 6 miles of the power plant site.



Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**  
 Technical Area: **Air Quality**  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 8/21/01  
 Technical Staff: Tuan Ngo, P.E.  
 Technical Senior: Matt Layton, P.E.

Project: Spartan I Energy Center  
 Docket: 01-AFC-13

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 5.2-28	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 5.2-29	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 5.2.5, Pages 5.2-42 to 5.2-44	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.2-29	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 5.2-30	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

Technical Area: **Air Quality**

Project Manager: Kevin Kennedy

# **DATA ADEQUACY WORKSHEET** (Six Month Expedited Process)

Revision No. 0 Date 8/21/01

Technical Staff: Tuan Ngo, P.E.

Technical Senior: Matt Layton, P.E.

Project: Spartan I Energy Center

Docket: 01-AFC-13

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Table 5.2-28 Pages 5.2-43 - 5.2-44	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Sec. 5.2.6, Pages 5.2-42 - 5.2-44	No	<p>Please provide a letter to the Bay Area Air Quality Management District (District) to certify that all facilities owned and operated by Spartan are complying with applicable District Rules (Compliance Certification).</p> <p>Section 3.4.4 states that the gas turbine will utilize a selective catalytic reduction system (SCR) to abate the NOx emissions to 5 ppm. Section 5 states that the turbine NOx emissions using SCR will be limited to 3 ppm. Please clarify which NOx emission limit is correct.</p> <p>The project's emissions will contribute to existing violations of the federal ozone, and the state ozone and PM10 air quality standards. Offsets are needed. Please provide emission reduction credits to offset the project emission contribution to ambient air.</p>
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		N/A	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

Technical Area: **Air Quality**

Project Manager: Kevin Kennedy

# **DATA ADEQUACY WORKSHEET** (Six Month Expedited Process)

Revision No. 0 Date 8/21/01

Technical Staff: Tuan Ngo, P.E.

Technical Senior: Matt Layton, P.E.

Project: Spartan I Energy Center

Docket: 01-AFC-13

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Sec. 5.2.3.2, Pages 5.2-19 - 26 Sec. 5.2.5, Pages 5.2-41 Table 5.2-30, Pages 5.2-45	No	Please provide a copy of the Compliance Certification as requested above.
§2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			
§2022(b)(2)(A) (Air Quality)	a detailed modeling analysis assessing whether the cumulative impacts of all inert criteria pollutants (NOx, SO2, CO, and PM10) from the project's typical operating mode in combination with all stationary emissions sources within a six-mile radius of the proposed site that have received construction permits, but are not yet operational, and all stationary emissions sources that are currently undergoing air district permit application review will cause or contribute to a violation of any ambient air quality standard;	Sec. 5.2.4.3, Pages 5.2-40	No	Please provide the actual modeling analysis, including all input and output files, for the cumulative impact analysis.
§2022(b)(2)(B) (Air Quality)	A description of the project's planned initial commissioning phase, which is the phase between the first firing of emissions sources and the consistent production of electricity for sale to the market, including the types and durations of equipment tests, criteria pollutant emissions, and monitoring techniques to be used during such tests, and air dispersion modeling analyses of the impacts of those emissions on state and federal ambient air quality standards for NO2, SO2, CO, and PM10;	Sec. 5.2.4, Pages. 5.2-32 - 32 Table 5.2-14	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X** \_\_\_\_\_  
 Technical Area: **Air Quality** \_\_\_\_\_  
 Project Manager: Kevin Kennedy \_\_\_\_\_

**DATA ADEQUACY WORKSHEET**  
**(Six Month Expedited Process)**

Revision No. 0 Date 8/21/01  
 Technical Staff: Tuan Ngo, P.E.  
 Technical Senior: Matt Layton, P.E.

Project: Spartan I Energy Center  
 Docket: 01-AFC-13

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(2)(C) (Air Quality)	A detailed description of the mitigation, which an applicant shall propose, for all impacts from criteria pollutants that currently exceed state or federal ambient air quality standards, but are not subject to offset requirements under the district's new source review rule;	Sec. 5.2.3.2, Pages 5.2-19 - 26	Yes	
§2022(b)(2)(D) (Air Quality, Public Health)	A modeling analysis that identifies the extent of potential public exposure to toxic substances, as identified in subsection (g)(9)(A) of Appendix B, resulting from normal facility operation;	Appendix L.4	Yes	

Adequacy Issue: Adequate **X** Inadequate \_\_\_\_\_  
 Technical Area: Alternatives  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Project: Spartan I Energy Center  
 Docket: 01-AFC-13

Revision No. 0 Date August 23, 2001  
 Technical Staff: Kevin Kennedy  
 Technical Senior: Paul Richins

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (1) (D)	A description of how the site and related facilities were selected and the consideration given to engineering constraints, site geology, environmental impacts, water, waste and fuel constraints, electric transmission constraints, and any other factors considered by the applicant.	Section 3.11	Yes	
Appendix B (f) (1)	A discussion of the range of reasonable alternatives to the project, or to the location of the project, including the no project alternative, which would feasibly attain most of the basic objectives of the project but would avoid or substantially lessen any of the significant effects of the project, and an evaluation of the comparative merits of the alternatives. In accordance with Public Resources Code section 25540.6(b), a discussion of the applicant's site selection criteria, any alternative sites considered for the project, and the reasons why the applicant chose the proposed site.	Section 3.11	Yes	
Appendix B (f) (2)	An evaluation of the comparative engineering, economic, and environmental merits of the alternatives discussed in subsection (f)(1).	Section 3.11	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

# **DATA ADEQUACY WORKSHEET**

Revision No. 0 Date August 13, 2001

Technical Area: **Biological Resources**

Project: Spartan I Energy Center

Technical Staff: Rick York

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Dr. Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Existing site conditions: Section 5.6.1, Page 5.6-1  Impacts: Sections 5.6.4 and 5.6.5, Page 5.6-17, and Appendix I, Page 13.  Mitigation measures: Section 5.6.3, Pages 5.6-16, 17 and Appendix I, Page 13.	No  No  No	Please provide current biological resource information (i.e. sensitive & common species seen/expected for all areas needed for project, impacts discussion, and mitigation measures) for the proposed water supply pipeline, gas supply pipeline, transmission line, and all laydown areas. Also include current information for areas that will require downstream transmission line upgrades.
Appendix B (g) (13) (A)	A regional overview and discussion of biological resources, with particular attention to sensitive biological resources near the project and a map at a scale of 1:100,000 (or some other suitable scale) showing their location in relation to the project.	Regional overview:      Sensitive species map at 1:100,000-scale: Section 5.6, Figure 5.6-3	No    No	Please provide a biological resources overview for the project region , i.e. discussion of sensitive species and their habitats including wetlands and serpentine grasslands and serpentine chaparral.  Map (Figure 5.6-3) legend needs to identify which sensitive species are found in the region. Current legend identifies plant and animal "classes", which are difficult to use.  Please provide a 1:100,000-scale map that identifies all sensitive biological resources for the project region within at least 6 miles of the project site.
Appendix B (g) (13) (B)	A discussion and detailed maps at a scale of 1:6,000, of the biological resources at the site of the proposed project and related facilities, and in areas adjacent to them, out to a mile from the site and 1000 feet from the outer edge of linear facility corridors. Include a list of the species actually observed and those with a potential to occur. The discussion and maps shall address the distribution of community types, denning or nesting sites, population concentrations, migration corridors, breeding habitats, and the presence of sensitive biological resources.	1:6000 scale map out to 1-mile from project site: Section 5.6, Figure 5.6-3.  List of species seen and expected: Section 5.6, tables 5.6-1 and 5.6-2	No  No	Please provide an updated map that indicates the field survey corridors for linear facilities, laydown areas, and areas needing downstream transmission line upgrades.  Please provide species lists for all areas to be disturbed by the proposed project including all linear facilities and laydown areas.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X****DATA ADEQUACY WORKSHEET**

Revision No. 0 Date August 13, 2001

Technical Area: **Biological Resources**

Project: Spartan I Energy Center

Technical Staff: Rick York

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Dr. Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (13) (C)	A description of all studies and surveys used to provide biological information about the project site, including seasonal surveys and copies of the California Department of Fish and Game's Natural Diversity Data Base Survey Forms, "California Native Species Field Survey Forms", and "California Natural Community Field Survey Forms", completed by the applicant. Include the dates and duration of the studies, methods used to complete the studies, and the names and qualifications of individuals conducting the studies.	Descriptions of studies: Appendix I and Section 5.6.1.1, Page 5.6-1	No	Please provide field survey information for all proposed linear facilities, areas needing downstream transmission line upgrades, and laydown areas, and provide a description of the field surveys. Please identify who completed the surveys and their qualifications.
		CNDDDB forms:	Yes	No CNDDDB forms were completed since sensitive species were not seen during field surveys. If sensitive species are seen during subsequent surveys, please provide copies of CNDDDB form.
		Names/qualifications of individuals conducting field studies:	No	Please provide names & qualifications of individuals who conducted field surveys.
Appendix B (g) (13) (D)	A discussion of all permanent and temporary impacts to biological resources from site preparation, construction activities, and plant operation. Discussion of impacts must consider impacts from cooling tower drift, and from the use and discharge of water during construction and operation. For facilities which use once-through cooling or take or discharge water directly from or to natural sources, discuss impacts resulting from entrainment, impingement, thermal discharge, effluent chemicals, type of pump (if applicable), temperature, volume and rate of flow at intake and discharge location, and plume configuration in receiving water.	Impacts: Sections 5.6.4 and 5.6.5, Page 5.6-17, and Appendix I	No	Please provide impact information for all linear facilities, areas requiring downstream transmission line upgrades, and laydown areas.
Appendix B (g) (13) (E)	A discussion of the following:	--	--	--
Appendix B (g) (13) (E) (i)	All measures proposed to avoid and/or reduce any adverse impacts;	Mitigation measures: Section 5.6.3, Pages 5.6-16, 17.	No	Please provide a discussion of whether mitigation measures are necessary for potential impacts to all linear facilities, areas requiring downstream transmission line upgrades, and laydown areas.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date August 13, 2001

Technical Area: **Biological Resources**

Project: Spartan I Energy Center

Technical Staff: Rick York

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Dr. Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (13) (E) (ii)	All measures proposed to mitigate any adverse impacts, including any proposals for off-site mitigation; and	Mitigation measures: Section 5.6.3, Pages 5.6-16, 17.	No	Please provide a discussion of whether mitigation measures are necessary for potential impacts to all linear facilities, areas requiring downstream transmission line upgrades, and laydown areas.
Appendix B (g) (13) (E) (iii)	Any educational programs proposed to enhance employee awareness in order to protect biological resources.	Worker Education program: Section 5.6.9, Pages 5.6-19, 20.	Yes	
Appendix B (g) (13) (F)	A discussion of compliance and monitoring programs proposed to ensure the effectiveness of mitigation measures incorporated into the project.	Compliance monitoring: Section 5.6.6.4, Page 5.6-19.	Yes	
Appendix B (g) (13) (G)	A discussion of native fish and wildlife species of commercial and/or recreational value that could be impacted by the project.	Commercial species: Section 5.6.1.5, Page 5.6-15.	Yes	
Appendix B (g) (13) (H)	For purposes of this section, sensitive biological resources are one of the following:	--	--	--
Appendix B (g) (13) (H) (i)	Species listed under state or federal Endangered Species Acts;	Listed species: Section 5.6.1.3, Pages 5.6-8 to 5.6-13.	Yes	
Appendix B (g) (13) (H) (ii)	Resources defined in sections 1702 (q) and (v) of Title 20 of the California Code of Regulations; and	Listed species: Section 5.6.1.3, Pages 5.6-8 to 5.6-13.	Yes	
Appendix B (g) (13) (H) (iii)	Species or habitats identified by legislative acts as requiring protection.	Listed species: Section 5.6.1.3, Pages 5.6-8 to 5.6-13 and Section 5.6.1.4, Pages 5.6-14, 15.	Yes	



Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date August 13, 2001

Technical Area: **Biological Resources**

Project: Spartan I Energy Center

Technical Staff: Rick York

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Dr. Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	LORS table: Section 5.6.6, Pages 5.6-17 to 19.	No	Please provide information about the tree removal permit that will be required by the city planning office prior to removal of ordinance sized tree.
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Agency contacts/LORS table: Section 5.6.6.4, Page 5.6-19, Section 5.6.6, Pages 5.6-17 to 19	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	LORS compliance: Section 5.6.6.4, Page 5.6-19.	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Agency contacts: Table 5.6-5, Page 5.6-19.	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Permit schedule: Section 5.6.8, Page 5.6-19.	No	Please provide information about the tree removal permit that will be required by the city planning office prior to removal of ordinance sized tree.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. 0 Date August 13, 2001  
 (Six Month Expedited Process)  
 Technical Area: **Biological Resources** Project: Spartan I Energy Center Technical Staff: Rick York  
 Project Manager: Kevin Kennedy Docket: 01-AFC-13 Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Section 5.6.6, Pages 5.6-17 to 5.6-19	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Section 5.6 (Biological Resources)	No	Applicant needs to provide current field information for all proposed linear facilities (gas pipeline, water pipeline, and transmission line) as well as proposed laydown areas. Applicant also needs to provide a more complete discussion of impacts and potential mitigation measures.
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	Section 5.6.6, Pages 5.6-17 to 5.6-19	Yes	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Section 5.6.6, Pages 5.6-17 to 5.6-19	Yes	
§2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

Technical Area: **Biological Resources**

Project Manager: Kevin Kennedy

**DATA ADEQUACY WORKSHEET**  
**(Six Month Expedited Process)**

Revision No. 0 Date August 13, 2001

Technical Staff: Rick York

Technical Senior: Jim Brownell

Project: Spartan I Energy Center

Docket: 01-AFC-13

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(2)(F) (Biology)	A demonstration, based on appropriate data including, but not limited to, scientific surveys taken at the appropriate time of year, that the project will have no significant impact on wetlands, plant or animal species that are endangered, threatened, or of concern under state or federal law, or the areas listed in Public Resources Code section 25527;	Section 5.6 and Appendix I	No	Applicant needs to provide current field information for all proposed linear facilities (gas pipeline, water pipeline, and transmission line) as well as proposed laydown areas. Applicant also needs to provide a more complete discussion of impacts and mitigation measures plus a regional overview and 1:100,000-scale map that identifies sensitive species and their habitats in the project region.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 8/10/01

Technical Area: **Cultural Resources**

Project: Spartan 1 Energy Center

Technical Staff: Robin Palmer  
Dorothy Torres

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC Vol I, Section 5.7; AFC Confidential Appendix J	Yes	
Appendix B (g) (2) (A)	A brief summary of the ethnology, prehistory, and history of the region in which the project site and related facilities are located and maps at a scale of 1:24,000, indicating areas of ethnographic occupation. The region may vary depending on the extent of the territory occupied or used by prehistoric cultures indigenous to the area in which the project is located.	AFC Vol I, Section 5.7.1.6; Figure 5.7-2	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 8/10/01

Technical Area: **Cultural Resources**

Project: Spartan 1 Energy Center

Technical Staff: Robin Palmer  
Dorothy Torres

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (2) (B)	A description of all literature searches and field surveys used to provide information about known cultural resources in the project vicinity. If survey records of the area potentially physically affected by the project are not available, and the area has the potential for containing significant cultural resources, the applicant shall submit a new or revised survey for any portion of the area lacking comprehensive survey data. A discussion of the dates of the surveys, methods used in completing the surveys, and the identification and qualification of the individuals conducting the surveys shall be included.	AFC Confidential Appendix J	No	<p>Provide the results of a cultural resources survey of the project area and the linears conducted by an architectural historian who meets the standards put forth by the Secretary of Interior. Identify and include descriptions of historic cultural resources (buildings, structures, objects, sites, and districts) adjacent to the project site, laydown or parking areas and linears (one property deep that appear to be 45 or more years old).</p> <p>Please provide a discussion of the methodology used to "observe the alignments for the gas and transmission lines for cultural resources." (Confidential Appendix p. 9)</p> <p>If the laydown or parking areas were not surveyed for cultural resources, please survey them and provide the results.</p> <p>Since the information provided in the confidential appendix identified archaeological resources within one half mile, it appears that the archival survey extended one half mile from the project site. Was this distance sufficient to include all parking and laydown areas? If these areas were not included, please expand the archival search to include them.</p>
Appendix B (g) (2) (C)	A discussion of the sensitivity of the project area described in subsection (g)(2)(A) and the presence and significance of any known archeological sites and other cultural resources that may be affected by the project. Information on the specific location of archeological resources shall be included in a separate appendix to the application and submitted to the Commission under a request for confidentiality pursuant to Title 20, California Code of Regulations, § 2501 et seq.	AFC Vol I, Section 5.7.1.8.4: AFC Confidential Appendix J	No	Please update the discussion of sensitivity of the project based on any additional resources identified in the vicinity of the parking or laydown areas.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 8/10/01

Technical Area: **Cultural Resources**

Project: Spartan 1 Energy Center

Technical Staff: Robin Palmer  
Dorothy Torres

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (2) (D)	A summary of contacts and communications with, and responses from, Native American representatives who may have an interest in heritage lands and/or resources potentially affected by the proposed project.	AFC Confidential Appendix J	Yes	
Appendix B (g) (2) (E)	In the discussion on mitigation and monitoring prepared pursuant to subsection (g)(1), a discussion of any educational programs proposed to enhance awareness of potential impacts to archeological resources by employees and contractors, measures proposed for mitigation of impacts to known cultural resources, and a set of contingency measures for mitigation of potential impacts to previously unknown cultural resources.	AFC Vol I, Section 5.7.10	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	AFC Vol I, Section 7.0  AFC Vol 1, Section 5.7.2 & Section 5.7.6.1.	No	Are there any permits required by the City of San Jose that may contain a cultural component?  Please reference pages in the application wherein conformance with each law or standard during both construction and operation is discussed.
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 5.7-1	No	Please clarify whether any permits that may contain a cultural component are required by the City of San Jose.

Adequacy Issue:	Adequate _____ Inadequate <b>X</b>	<b>DATA ADEQUACY WORKSHEET</b>		Revision No. <u>0</u>	Date <u>8/10/01</u>
Technical Area:	<b>Cultural Resources</b>	Project:	Spartan 1 Energy Center	Technical Staff:	Robin Palmer Dorothy Torres
Project Manager:	Kevin Kennedy	Docket:	01-AFC-13	Technical Senior:	Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).		Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.		Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	AFC Vol I, Section 5.7.9	No	Please clarify whether any permits that may contain a cultural component are required by the City of San Jose.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X** \_\_\_\_\_

**DATA ADEQUACY WORKSHEET**  
(Six Month Expedited Process)

Revision No. 0 Date 8/21/01

Technical Area: **Cultural Resources**

Project: Spartan I

Technical Staff: Robin Palmer  
Dorothy Torres

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	AFC Vol.1, Section: 7.0	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	AFC Vol.1, Section: 7.0	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	AFC Vol.1, Section: 1.2.1.1	Yes	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	AFC Vol. 1, Section 5.7.2 & Section 5.7.6.1.	No	Please provide information regarding whether permits are required by the city of San Jose that involve cultural resources.



Adequacy Issue: Adequate **X** Inadequate \_\_\_\_\_

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date August 14, 2001

Technical Area: **Efficiency**

Project: Spartan I Energy Center

Technical Staff: Steve Baker

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	§§ 1.1, 1.4.2, 1.4.6, 1.6.3, 2.2, 3.1, 3.3.1, 3.4.1; Table 3.4-1; §§ 3.4.4.1, 3.4.4.2, 3.4.6, 3.4.9, 3.5.1.4, 3.7.1, 3.9.1, 3.9.1.1, 3.9.1.2, 3.9.3, 3.11.3.2, 3.11.3.3; Appendices B, R	Yes	
Appendix B (i) (4) (A)	Heat and mass balance diagrams for design conditions for each mode of operation.	Appendices B-1 thru B-5	Yes	
Appendix B (i) (4) (B)	Annual fuel consumption in BTUs for each mode of operation.	§§ 2.2, 3.1, 3.4.1, 3.7.1, 3.9.1, 3.9.1.2	Yes	
Appendix B (i) (4) (C)	Annual net electrical energy produced in MWh for each mode of operation.	§§ 2.2, 3.1, 3.4.1, 3.9.1, 3.9.1.2	Yes	
Appendix B (i) (4) (D)	Number of hours the plant will be operated in each mode of operation in each year.	§§ 2.2, 3.1, 3.4.1, 3.9.1, 3.9.1.2	Yes	
Appendix B (i) (4) (E)	If the project will be a cogeneration facility, calculations showing compliance with applicable efficiency and operating standards.		N/A	
Appendix B (i) (4) (F)	A discussion of alternative generating technologies available for the project, including the projected efficiency of each, and an explanation why the chosen equipment was selected over these alternatives.	§§ 3.11.3.2, 3.11.3.3.2, 3.11.3.3.3	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;		N/A	

Adequacy Issue: Adequate ☒ Inadequate ☐

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date August 14, 2001

Technical Area: Efficiency

Project: Spartan I Energy Center

Technical Staff: Steve Baker

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.		N/A	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).		N/A	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.		N/A	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		N/A	

Adequacy Issue: Adequate ☒ Inadequate ☐

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date August 14, 2001

Technical Area: **Facility Design**

Project: Spartan I Energy Center

Technical Staff: Shahab Khoshmashrab

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones.	See Water Resources	N/A	
Appendix B (g) (14) (D) (i)	Precipitation and storm runoff patterns; and	See Water Resources	N/A	
Appendix B (g) (14) (D) (ii)	Drainage facilities and design criteria.	See Water Resources	N/A	
Appendix B (g) (14) (E) (ii)	The effects of construction activities and plant operation on water quality; and	See Water Resources	N/A	
Appendix B (g) (14) (iii)	The effects of the project on the 100-year flood plain or other water inundation zones.	See Water Resources	N/A	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 7.1-1 §§ 1.2.1.1, 7.0 Appendices C through G	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 7.1-1	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	§ 7.0 Table 7.1-1	Yes	
Appendix B (h) (3)	The name, title, telephones number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 7.1-1	Yes	

Adequacy Issue: Adequate **X** Inadequate \_\_\_\_\_

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date August 14, 2001

Technical Area: **Facility Design**

Project: Spartan I Energy Center

Technical Staff: Shahab Khoshmashrab

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	§§ 5.5.8, 5.14.8, Tables 5.5-3, 5.14-5	Yes	
Appendix B (i) (1) (A)	A description of the site conditions and investigations or studies conducted to determine the site conditions used as the basis for developing design criteria. The descriptions shall include, but not be limited to, seismic and other geologic hazards, adverse conditions that could affect the project's foundation, adverse meteorological and climatic conditions, and flooding hazards, if applicable.	§§ 1.6.2, 1.6.3, 3.3.2, 3.3.2.1, 3.3.2.2, 3.3.2.3, 3.3.3, 3.3.3.1, 3.3.3.2, 3.4.7.4, 4.1.1, 4.1.1.1, 4.1.1.2 Appendices C3.1, C3.2, C3.3, D3.1, D3.1.1, D3.1.2, D3.1.3, D3.1.4, D3.1.5, H	Yes	
Appendix B (i) (1) (B)	A discussion of any measures proposed to improve adverse site conditions.	§§ 1.6.2, 3.4.7.4, 3.5 through 3.5.5.3 Appendices C, D, H	Yes	
Appendix B (i) (1) (C)	A description of the proposed foundation types, design criteria (including derivation), analytical techniques, assumptions, loading conditions, and loading combinations to be used in the design of facility structures and major mechanical and electrical equipment.	§§ 3.5.3, 3.5.3.1, 3.5.3.2, 3.5.3.3, 3.5.3.4, 3.5.4, 3.5.4.1, 3.5.4.2, 3.5.4.3, 3.5.4.4, 3.5.5, 3.5.5.1, 3.5.5.2, 3.5.5.3 Appendices C, D, E, F, H	Yes	
Appendix B (i) (1) (D)	For each of the following facilities and/or systems, provide a description including drawings, dimensions, surface-area requirements, typical operating data, and performance and design criteria for protection from impacts due to adverse site conditions:	Figures 3.4-1, 3.4-2, 3.4-3, 3.4-4 Appendix B	Yes	
Appendix B (i) (1) (D) (i)	The power generation system;	§§ 1.1, 1.4.2, 2.2, 3.1, 3.4.1, 3.4.3, 3.4.4, 3.4.4.1	Yes	
Appendix B (i) (1) (D) (ii)	The heat dissipation system;	§§ 1.1, 3.4.4, 3.4.4.1	Yes	

Adequacy Issue: Adequate **X** Inadequate \_\_\_\_\_

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date August 14, 2001

Technical Area: **Facility Design**

Project: Spartan I Energy Center

Technical Staff: Shahab Khoshmashrab

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (1) (D) (iii)	The cooling water supply system, and, where applicable, pre-plant treatment procedures;	§§ 1.4.7, 1.6.3, 3.4.1, 3.4.4.1, 3.4.7, 3.4.7.1, 3.4.7.2, 3.4.7.3, 4.3.5, 5.5 Appendix W	Yes	
Appendix B (i) (1) (D) (iv)	The atmospheric emission control system;	§§ 1.2.1.2, 3.4.1, 3.4.4.1, 3.4.4.2, 3.4.9, 3.4.10, 3.4.11	Yes	
Appendix B (i) (1) (D) (v)	The waste disposal system and on-site disposal sites;	§§ 1.6.9, 3.4.1, 3.4.7.4, 3.4.12, 5.14	Yes	
Appendix B (i) (1) (D) (vii)	The geothermal resource conveyance and re-injection lines (if applicable);		N/A	
Appendix B (i) (1) (D) (viii)	Switchyards/transformer systems; and	§§ 1.1, 1.2.1.3, 1.4.5, 2.2, 3.4.1, 3.4.5, 3.6, 4.2.1, 4.2.2	Yes	
Appendix B (i) (1) (D) (ix)	Other significant facilities, structures, or system components proposed by the applicant.	§§ 1.4.2, 2.2, 3.4.8	Yes	

Adequacy Issue: Adequate **X** Inadequate

# **DATA ADEQUACY WORKSHEET** (Six Month Expedited Process)

Revision No. 0 Date August 14, 2001

Technical Area: **Facility Design**

Project: Spartan I Energy Center

Technical Staff: Shahab Khoshmashrab

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	§ 7.0 Table 7.1-1	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	§ 3.1.1 Appendices C, D, E, F, G	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	None (no known changes in Facility Design LORS are anticipated).	Yes	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Table 7.1-1	Yes	

Adequacy Issue: Adequate **X** Inadequate \_\_\_\_\_

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date August 21, 2001

Technical Area: **Geological Hazards**

Project: Spartan I Energy Center

Technical Staff: Neal Mace

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Patrick A. Pilling  
Lynn Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sections 5.3.1.4 , 5.3.1.5, 5.3.1.6, 5.3.2, 5.3.3, 5.3.4, 5.3.5, 5.3.6 Pages 5.3-1 to 5.3-22 Appendix H	Yes	
Appendix B (g) (17) (A)	A summary of the geology, seismicity, and geologic resources of the project site and related facilities;	Sections 5.3.1 Pages 5.3-1 to 5.3-19 Appendix H	Yes	
Appendix B (g) (17) (B)	A map at a scale of 1:24,000 and description of all recognized stratigraphic units, geologic structures, and geomorphic features within 2 miles of the project site. Include an analysis of the likelihood of ground rupture, seismic shaking, mass wasting and slope stability, liquefaction, subsidence, and expansion or collapse of soil structures.	Sections 5.3.1.5, 5.3.2, 5.3.4 Pages 5.3-12 to 5.3-22 Section 3.3.2 Pages 3.3-1 to 3.3-2 Appendix H	Yes	
Appendix B (g) (17) (C)	A map and description of geologic resources of recreational, commercial, or scientific value which may be affected by the project. Include a discussion of the techniques used to identify and evaluate these resources.	Section 5.3.1.6, 5.3.2.1.3, 5.3.6 Pages 5.3-18 to 5.3-20 Page 5.3-22	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 5.3.8 Table 5.3-6 Pages 5.3-22 and 23	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date August 21, 2001

Technical Area: Geological Hazards

Project: Spartan I Energy Center

Technical Staff: Neal Mace

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Patrick A. Pilling  
Lynn Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 5.3.9 Table 5.3-7 Page 5.3-23	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 5.3.8 Page 5.3-22	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 5.3.9 Table 5.3-7 Page 5.3-23	Yes	



Adequacy Issue: Adequate **X** Inadequate \_\_\_\_\_  
 Technical Area: **Geological Hazards**  
 Project Manager: Kevin Kennedy

**DATA ADEQUACY WORKSHEET**  
**(Six Month Expedited Process)**

Revision No. 0 Date August 20, 2001  
 Technical Staff: Neal Mace  
 Technical Senior: Patrick A. Pilling  
 Lynn Alexander

Project: Spartan I Energy Center  
 Docket: 01-AFC-13

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Section 5.3 Pages 5.3-22 to 5.3-23 Section 7.3-1 Pages 7-1 to 7-2	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Section 5.3 Pages 5.3-22 to 5.3-24	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	N/A		
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Section 7.3 Page 7-2 Section 5.3.10 Page 5.3-23	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 8/21/01

Technical Area: **Hazardous Materials Management**

Project: Spartan I Energy Center

Technical Staff: Rick Tyler

Project Manager: K. Kennedy

Docket: 01-AFC-13

Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 5.15	Yes	
Appendix B (g) (10) (A)	A list of all materials used or stored on-site which are hazardous or acutely hazardous, as defined in Title 22, California Code of Regulations, § 66261.20 et seq., and a discussion of the toxicity of each material.	Table 5.15-2	Yes	
Appendix B (g) (10) (B)	A map at a scale of 1:24,000 depicting the location of schools, hospitals, day-care facilities, emergency response facilities and long-term health care facilities, within the area potentially affected by any release of hazardous materials.	Figure 5.9-5	Yes	
Appendix B (g) (10) (C)	A discussion of the storage and handling system for each hazardous material used or stored at the site.	Section 5.15.2.2	Yes	
Appendix B (g) (10) (D)	The protocol that will be used in modeling potential consequences of accidental releases that could result in off site impacts. Identify the model(s) to be used, a description of all input assumptions, including meteorological conditions. The results of the modeling analysis can be submitted after the AFC is complete.	Section 5.15.2.2.2 Appendix M	Yes	
Appendix B (g) (10) (E)	A discussion of whether a risk management plan (Health and Safety Code § 25531 et seq.) will be required, and if so, the requirements that will likely be incorporated into the plan.	Section 5.15.2.2.1	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 8/21/01

Technical Area: Hazardous Materials Management

Project: Spartan I Energy Center

Technical Staff: Rick Tyler

Project Manager: K. Kennedy

Docket: 01-AFC-13

Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (10) (F)	A discussion of measures proposed to reduce the risk of any release of hazardous materials.	Section 5.15	Yes	
Appendix B (g) (10) (G)	A discussion of the fire and explosion risks associated with the project.	Section 5.15.3	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 5.15-4	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 5.15-4	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 5.15	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.15-5	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		N/A	No permits are required

Adequacy Issue: Adequate ☒ Inadequate ☐  
 Technical Area: **Hazardous Materials Management**  
 Project Manager: Kevin Kennedy

**DATA ADEQUACY WORKSHEET**  
**(Six Month Expedited Process)**

Revision No. 0 Date 8/21/01  
 Technical Staff: Rick Tyler  
 Technical Senior: Rick Tyler

Project: Spartan I Energy Center

Docket: 01-AFC-13

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Table 5.15-4	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Section 5.15	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		N/A	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;		N/A	
§2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			

Adequacy Issue: Adequate ☒ Inadequate ☐

## DATA ADEQUACY WORKSHEET

(Six Month Expedited Process)

Revision No. 0 Date 8/21/01

Technical Area: **Hazardous Materials Management**

Project: Spartan I Energy Center

Technical Staff: Rick Tyler

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(2)(G) (Hazardous Material)	With respect to the handling of hazardous materials, a demonstration that:  i) the project will not use or store any regulated substance defined in Section 25532(g) of the California Health and Safety Code or  ii) the project is eligible for Program 1 status pursuant to Section 68.10 of Part 68 of Title 40 of the Code of Federal Regulations or can demonstrate that no worst case accidental release would result in a plausibility (risk greater than 1 in 1,000,000) of an impact above the Emergency Response Planning Guideline, Level 2 (ERPG 2) at the nearest public receptor.	Section 5.15	Yes	
§2022(b)(2)(H) (Hazardous Material)	If the project will store or use a regulated substance defined in Section 25532(g) of the Health and Safety Code, a demonstration either that the boundary of the powerplant site will not be within 1000 feet of any residential area, school, general acute care hospital, long-term health care facility, or child day care facility as such terms are defined in section 25534.1 of the Health and Safety Code or that the project will pose no plausible potential for exposure at such facilities from an accidental release of the regulated substance; and	Section 5.15	Yes	
§2022(b)(2)(I) (Hazardous Material)	A demonstration that the proposed facility will not require storage of gaseous flammable or explosive materials in quantities greater than 25000 standard cubic feet;	Section 5.15	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 08/14/01

Technical Area: Land Use

Project: Spartan I Energy Center

Technical Staff: David Young

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sec. 5.9.2, 5.9.2.1, 5.9.2.2, 5.9.4, 5.9.9 Page 5.9-9, 5.9-10, 5.9-11, 5.9-13;	Yes	None
Appendix B (g) (3) (A)	A discussion of existing land uses and current zoning at the site, land uses and land use patterns within one mile of the proposed site and within one-quarter mile of any project-related linear facilities. Include:	Sec. 5.9.1.2 & 5.9.1.2.4 Pages 5.9-3 thru 5.9-6 Figures 5.9-1, 5.9-2, 5.9-3, 5.9-4	Yes	
Appendix B (g) (3) (A) (i)	An identification of residential, commercial, industrial, recreational, scenic, agricultural, natural resource protection, natural resource extraction, educational, religious, cultural, and historic areas, and any other area of unique land uses;	Sec. 5.9.1; Page 5.9-1 sec 5.9.1.2.3; Page 5.9-5 Figure 5.9-6	Yes	None
Appendix B (g) (3) (A) (ii)	A discussion of any trends in recent zoning changes and potential future land use development;	Sec 5.9.1.2; Page 5.9-3 Sec 5.10.1.4.2; Page 5.10-6	Yes	None
Appendix B (g) (3) (A) (iii)	Identification of all discretionary reviews by public agencies initiated or completed within 18 months prior to filing the application for those changes or developments identified in subsection (g)(3)(A)(ii); and	Not included	No	Provide discussion of any discretionary reviews initiated or completed within the past 18 months of any land use developments identified in subsection (g) (3)(A)(ii).
Appendix B (g) (3) (A) (iv)	Legible maps of the areas identified in subsection (g)(3)(A) potentially affected by the project, on which existing land uses, jurisdictional boundaries, general plan designations, specific plan designations, and zoning have been clearly delineated.	Figure 5.9-1 Figure 5.9-2	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date 08/14/01

Technical Area: Land Use

Project: Spartan I Energy Center

Technical Staff: David Young

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (3) (B)	A discussion of the compatibility of the proposed facilities with present and expected land uses, and conformity with any long-range land use plans adopted by any federal, state, regional, or local planning agency. The discussion shall identify the need, if any, for variances or any measures that would be necessary to make the proposal conform with permitted land uses	Sec 5.9.1.2; Page 5.9-3 Sec 5.9.1.3.3; Page 5.9-7 Sec 5.9.1.3.3; Page 5.9-8	Yes	None
Appendix B (g) (15) (B)	A map at a scale of 1:24,000 and written description of agricultural land uses found within all areas affected by the proposed project. The description shall include:	Figure 5.9-2	Yes	None
Appendix B (g) (15) (B) (i)	Crop types, irrigation systems, and any special cultivation practices; and	See (g) (15) (B)	Yes	None
Appendix B (g) (15) (B) (ii)	Whether farmland affected by the project is prime, of statewide importance, or unique as defined by the Natural Resource Conservation Service of the California Department of Conservation.	Sec 5.4.2.2; Pages 5.4-1 Sec 5.4.1, 5.4-6 Sec 5.4.1.2, 5.4.1.2.1, 5.4.1.2.2, 5.4-8	Yes	None
Appendix B (g) (15) (C)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This decision shall include:	Sec. 5.9.2.3; Page 5.9-10	Yes	None
Appendix B (g) (15) (C) (ii)	Direct and indirect effects on agricultural land uses; and	Sec. 5.4.1.2 & 5.9.2.3 Pages 5.4-6 & 5.9-12	Yes	None

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date 08/14/01

Technical Area: **Land Use**

Project: Spartan I Energy Center

Technical Staff: David Young

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Sec 5.9.6; Page 5.9-12 Sec 7.3.1.3; Page 7-2 Page 7-52 Table 7.1-1	Yes	None
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Page 7-52 Table 7.1-1	Yes	None
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Page 5.9-12 sec 5.9.6.4	Yes	None
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	5.9-12 (5.9.7)	Yes	None
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	sections (5.9.8) (5.11.7) Pages 5.9-13, 5.11-11	Yes	None



Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **x** \_\_\_\_\_

**DATA ADEQUACY WORKSHEET**  
(Six Month Expedited Process)

Revision No. 0 Date 08/15/01

Technical Area: **Land Use**

Project: Spartan I Energy Center

Technical Staff: David Young

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Sec 5.9.6; Page 5.9-12	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Sec 5.9.2.4; Page 5.9-11, Sec 5.9.2.3; Page 5.9-10, Sec 5.9.1.2; Page 5.9-3. Sec 1.2.1.1; Page 1-2	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	Not included in AFC	No	Provide discussion of any changes in standards, ordinances, or laws expected between the filing and certification of the application. Also, whether the project will comply with such changes.
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Sec 5.9.1.2.1, 5.9.1.2.2, Pages 5.9-5 Sec 5.9.8; Page 5.9-13	Yes	
§2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **x** \_\_\_\_\_

# **DATA ADEQUACY WORKSHEET** (Six Month Expedited Process)

Revision No. 0 Date 08/15/01

Technical Area: **Land Use**

Project: Spartan I Energy Center

Technical Staff: David Young

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(4) (Any area that addresses disproportionate impacts; environmental justice)	A discussion of the potential for disproportionate impacts from the project on minority or low-income people; such discussion shall include, but not be limited to, all of the following:			
§2022(b)(4)(A) (Land Use, Socioeconomics)	Demographic information by census tract, based on the most recent census data available, showing the number and percentage of minority populations and people living below the poverty level within six miles of the proposed site;	Page 5.10-4 sec 5.10.1.3 also Appendix T	No	Use data from the 2000 census to provide current information on all minority populations living below the poverty level. Expand study radius of one mile to six miles.
§2022(b)(4)(B) (Land Use, Socioeconomics)	One or more maps at a scale of 1:24,000 showing the distribution of minority populations and low-income populations and significant pollution sources within six miles of the proposed site, such as those permitted by the U.S. Environmental Protection Agency (Toxic Release Inventory sites), the local air quality management district, or the California Department of Toxic Substances Control; and	Not included in AFC	No	Please provide a 1:24000 scale map displaying distribution of minority and low-income populations within a six -mile radius of the project site.
§2022(b)(5)	The following information to demonstrate that the project, if certified, is likely to be constructed and operated;			
§2022(b)(5)(A) (Project Description)	Information demonstrating the applicant's control, by ownership, lease, option, or other legally binding agreement, that the Commission finds acceptable, of the proposed site and	Sec 1.4.3, Page 1-5	No	Need to provide proof of ownership or site control.

Adequacy Issue:	Adequate _____ Inadequate <b><u>X</u></b>	<b>DATA ADEQUACY WORKSHEET</b>		Revision No. <u>0</u>	Date <u>8/21/01</u>
Technical Area:	<b>Noise</b>	Project:	<u>Spartan I Energy Center</u>	Technical Staff:	<u>Brewster Birdsall</u>
Project Manager:	<u>Kevin Kennedy</u>	Docket:	<u>01-AFC-13</u>	Technical Senior:	<u>Buntin/Alexander</u>

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 5.12.1.1 Section 5.12.2 Section 5.12.9	Yes	
Appendix B (g) (4) (A)	A land use map which identifies residences, hospitals, libraries, schools, places of worship, or other facilities where quiet is an important attribute of the environment within the area impacted by the proposed project. The area impacted by the proposed project is that area where there is a potential increase of 5 dB(A) or more, during either construction or operation, over existing background levels.	Figure 5.9-2 Figure 5.12-1	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 8/21/01

Technical Area: **Noise**

Project: Spartan I Energy Center

Technical Staff: Brewster Birdsall

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Buntin/Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (4) (B)	A description of the ambient noise levels at those sites identified under subsection (g)(4)(A) which the applicant believes provide a representative characterization of the ambient noise levels in the project vicinity, and a discussion of the general atmospheric conditions, including temperature, humidity, and the presence of wind and rain at the time of the measurements. The existing noise levels shall be determined by taking noise measurements for a minimum of 25 consecutive hours at a minimum of one site. Other sites may be monitored for duration at the applicant's discretion during the same 25-hour period. The results of the noise level measurements shall be reported in Leq (equivalent sound or noise level), Ldn (day-night sound or noise level) or CNEL (Community Noise Equivalent Level) in units of dB(A). The L10, L50, and L90 values (noise levels exceeded 10 percent, 50 percent, and 90 percent of the time, respectively) shall also be reported.	Table 5.12-1 and Appendix O	Yes	
Appendix B (g) (4) (C)	A description of the major noise sources of the project, including the range of noise levels and the tonal and frequency characteristics of the noise emitted.	Section 5.12.2.2 and Table 5.12-7	Yes	
Appendix B (g) (4) (D)	An estimate of the project noise levels, during both construction and operation, at residences, hospitals, libraries, schools, places of worship or other facilities where quiet is an important attribute of the environment, within the area impacted by the proposed project.	Table 5.12-5 Table 5.12-8	No	Estimate noise levels during construction of transmission line discussed in Section 3.6.2.
Appendix B (g) (4) (E)	An estimate of the project noise levels within the project site boundary during both construction and operation and the impact to the workers at the site due to the estimated noise levels.	Section 5.12.4.2	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date 8/21/01

Technical Area: **Noise**

Project: Spartan I Energy Center

Technical Staff: Brewster Birdsall

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Buntin/Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (4) (F)	The audible noise from existing switchyards and overhead transmission lines that would be affected by the project and estimates of the future audible noise levels that would result from existing and proposed switchyards and transmission lines. Noise levels shall be calculated at the property boundary for switchyards and at the edge of the rights-of-way for transmission lines.	Not found.	No	Please estimate the future noise levels that would result from existing and proposed switchyards and transmission lines.
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 7.1-1, Page 7-54 and 7-55	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 7.1-1, Page 7-54 and 7-55	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 5.12.6, Page 5.12-15	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.12-9	Yes	

Adequacy Issue:

Adequate

Inadequate

**X**

**DATA ADEQUACY WORKSHEET**

Revision No.

0

Date

8/21/01

Technical Area:

Noise

Project:

Spartan I Energy Center

Technical Staff:

Brewster Birdsall

Project Manager:

Kevin Kennedy

Docket:

01-AFC-13

Technical Senior:

Buntin/Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	None required.	Yes	

Adequacy Issue: Adequate **X** Inadequate \_\_\_\_\_  
 Technical Area: **Noise** \_\_\_\_\_  
 Project Manager: Kevin Kennedy \_\_\_\_\_

**DATA ADEQUACY WORKSHEET**  
**(Six Month Expedited Process)**

Revision No. 0 Date 8/21/01  
 Technical Staff: Brewster Birdsall  
 Technical Senior: Buntin/Alexander

Project: Spartan I Energy Center  
 Docket: 01-AFC-13

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Section 5.12.6.1 through 3 and Table 7.1-1	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Section 5.12.2.2 and 3 and Section 5.12.9	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	N/A	Yes	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	N/A	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date August 22, 2001

Technical Area: **Paleontological Resources**

Project: Spartan I Energy Center

Technical Staff: Neal Mace

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Patrick A. Pilling  
Lynn Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sections 5.8.1, 5.8.2, 5.8.3, 5.8.4, and 5.8.5 Pages 5.8-2 to 5.8-6	Yes	
Appendix B (g) (16) (A)	Identification of the physiographic province and a brief summary of the geologic setting, formations, and stratigraphy of the project area. The area may vary depending on the depositional history of the area.	Sections 5.8.1.2 and 5.8.1.4; Pages 5.8-2 and 5.8-4 Section 5.3.1; Pages 5.3-1 to 5.3-18 Figure 5.8-3	Yes	
Appendix B (g) (16) (B)	A discussion of the sensitivity of the project area described in subsection (g)(16)(A) and the presence and significance of any known paleontologic localities or other paleontologic resources within or adjacent to the project.	Sections 5.8.1.3, 5.8.1.4, and 5.8.3.3; Pages 5.8-2 to 5.8-5	Yes	
Appendix B (g) (16) (C)	A summary of all literature searches and field surveys used to provide information about paleontologic resources in the project area described in subsection (g)(16)(A). Identify the dates of the surveys, methods used in completing the surveys, and the names and qualifications of the individuals conducting the surveys.	Sections 5.8.1.3 and 5.8.1.4; Pages 5.8-2 to 5.8-4	Yes	



Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date August 22, 2001

Technical Area: **Paleontological Resources**

Project: Spartan I Energy Center

Technical Staff: Neal Mace

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Lynn Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (16) (D)	Information on the specific location of known paleontologic resources, survey reports, locality records, and maps at a scale of 1:24,000, shall be included in a separate appendix to the Application and submitted to the Commission under a request for confidentiality, pursuant to Title 20, California Code of Regulations, § 2501 et seq.	Section 5.8.3.3; Page 5.8-5	Yes	
Appendix B (g) (16) (E)	A discussion of any educational programs proposed to enhance awareness of potential impacts to paleontological resources by employees, measures proposed for mitigation of impacts to known paleontologic resources, and a set of contingency measures for mitigation of potential impacts to currently unknown paleontologic resources.	Section 5.8.3; Page 5.8-5 to 5.8-6	No	Discussion of training program for construction personnel, and identification and mitigation program during construction.
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 5.8.6.4, Table 5.8-2 Pages 5.8-6 to 5.8-9	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 5.8.7, Table 5.8-3 Page 5.8-9	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**      **DATA ADEQUACY WORKSHEET**      Revision No.   0        Date   August 22, 2001  

Technical Area: **Paleontological Resources**      Project: Spartan I Energy Center      Technical Staff: Neal Mace  
Patrick A. Pilling

Project Manager: Kevin Kennedy      Docket: 01-AFC-13      Technical Senior: Lynn Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 5.8.6; Page 5.8-6 to 5.8-9 Table 5.8-2	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 5.8.7, Table 5.8-3 Page 5.8-9	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 5.8.8; Page 5.8-9	Yes	

Adequacy Issue: Adequate **X** Inadequate

Technical Area: **Paleontological Resources**

Project Manager: Kevin Kennedy

# **DATA ADEQUACY WORKSHEET** (Six Month Expedited Process)

Revision No. 0 Date August 20, 2001

Technical Staff: Neal Mace

Technical Senior: Patrick A. Pilling  
Lynn Alexander

Project: Spartan I Energy Center

Docket: 01-AFC-13

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Section 5.8 Pages 5.8-6 to 5.8-9 Section 7.5.8 Pages 7-25 to 7-27	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Section 5.8 Pages 5.8-8 to 5.8-10	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		N/A	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Section 7.5.8 Page 7-25 Section 5.8.8 Page 5.8-9	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date August 23, 2001

Technical Area: **Project Overview**

Project: **Spartan I Energy Center**

Technical Staff: Kevin Kennedy

Project Manager: Kevin Kennedy

Docket: **01-AFC-13**

Technical Senior: Paul Richins

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Cal. Code Regs., tit. 20, § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Entire AFC	N/A	See individual technical sections
Cal. Code Regs., tit. 20, § 1704, (a) (3) (B)	Descriptions, including methodologies and findings, of all major studies or research efforts undertaken and relied upon to provide information for the document; and a description of ongoing research of significance to the project (including expected completion dates; and	Entire AFC	N/A	See individual technical sections
Cal. Code Regs., tit. 20, § 1704, (a) (3) (C)	A list of all literature relied upon or referenced in the documents, along with brief discussions of the relevance of each such reference	Entire AFC	N/A	See individual technical sections
Cal. Code Regs., tit. 20, § 1704, (a) (4)	Each principal subject area covered in a notice or application shall be set forth in a separate chapter or section, each of which shall identify the person or persons responsible for its preparation.	Entire AFC	Yes	
Appendix B (a) (1) (A)	A general description of the proposed site and related facilities, including the location of the site or transmission routes, the type, size and capacity of the generating or transmission facilities, fuel characteristics, fuel supply, water supply, pollution control systems, and other general characteristics.	Sections 3.2 through 3.7	Yes	
Appendix B (a) (1) (B)	Identification of the location of the proposed site and related facilities by section, township, range, county and assessors parcel numbers.	p. 3.2-1, App. S p. 2 for site APN	Yes	
Appendix B (a) (1) (C)	A description of and maps depicting the region, the vicinity, and the site and its immediate surroundings.	Sections 3.2 and 3.3	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date August 23, 2001

Technical Area: **Project Overview**

Project: **Spartan I Energy Center**

Technical Staff: Kevin Kennedy

Project Manager: Kevin Kennedy

Docket: **01-AFC-13**

Technical Senior: Paul Richins

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (a) (1) (D)	A full-page color photographic reproduction depicting the visual appearance of the site prior to construction, and a full-page color simulation or artist's rendering of the site and all project components at the site, after construction.	Figure 1.1-2	No	Please provide a full-page color photographic reproduction depicting the visual appearance of the site prior to construction; and simulation or artist's rendering showing transmission line
Appendix B (a) (1) (E)	In an appendix to the application, a list of current assessor's parcel numbers and owners' names and addresses for all parcels within 500 feet of the proposed transmission line and other linear facilities, and within 1000 feet of the proposed powerplant and related facilities.	App. Z	Yes	
Appendix B (a) (2)	Project Schedule: Proposed dates of initiation and completion of construction, initial start-up, and full-scale operation of the proposed facilities.	p. 3.8-1	Yes	
Appendix B (a) (3) (A)	A list of all owners and operators of the site(s), the power plant facilities, and, if applicable, thermal host, the geothermal leasehold, the geothermal resource conveyance lines, and the geothermal re-injection system, and a description of their legal interest in these facilities.	Sections 1.1 and 1.4.3, App. Z	No	AFC states that site is owned by DiNapoli, DiNapoli and Mulchahy. Appendix Z lists the owner of parcel APN 477-21-025 (project site) as W.L. Battaglia. Please clarify and identify the current owner(s).
Appendix B (a) (3) (B)	A list of all owners and operators of the proposed electric transmission facilities.	Not found	No	State who will own the transmission line and facilities connecting project switchyard to PG&E transmission line on Senter Road.
Appendix B (a) (3) (C)	A description of the legal relationship between the applicant and each of the persons or entities specified in subsections (a)(3)(A) and (B).	Not found	No	Clarify site ownership and relationship of owner to Spartan Power LLC; provide information on owner of transmission facilities and relationship to to Spartan Power LLC.
Appendix B (b) (1) (A)	Maps at a scale of 1:24,000 (1" = 2000'), along with an identification of the dedicated leaseholds by section, township, range, county, and county assessor's parcel number, showing the proposed final locations and layout of the power plant and all related facilities;	Not found	No	Provide map showing location of power plant and related facilities along with APNs and related information.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date August 23, 2001

Technical Area: **Project Overview**

Project: **Spartan I Energy Center**

Technical Staff: Kevin Kennedy

Project Manager: Kevin Kennedy

Docket: **01-AFC-13**

Technical Senior: Paul Richins

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (1) (B)	Scale plan and elevation drawings depicting the relative size and location of the power plant and all related facilities;	Figures 3.4-1 to 3.4-3	Yes	
Appendix B (b) (1) (C)	A detailed description of the design, construction and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios; and	Sections 3.4 to 3.9	Yes	
Appendix B (b) (2) (A)	Maps at a scale of 1:24,000 of each proposed transmission line route, showing the settled areas, parks, recreational areas, scenic areas, and existing transmission lines within one mile of the proposed route(s).	Figures 1.4-1 and 5.9-5	No	Show existing transmission line routes; Show requested information for all areas within 1 mile of proposed transmission line
Appendix B (b) (2) (B)	A full-page color photographic reproduction depicting a representative above ground section of the transmission line route prior to construction and a full-page color photographic simulation of that section of the transmission line route after construction.	Not found	No	Provide required information
Appendix B (c)	In a section entitled, "Demand Conformance" provide a discussion explaining how the proposed project conforms with the requirements of Public Resources Code § 25524 or Public Resources Code § 25540.6(a)(5). If the provisions of Public Resources Code § 25523.5 are applicable, explain how the project conforms with the requirements of this section. Additional data adequacy requirements may be contained in the Electricity Report applicable pursuant to Title 20, California Code of Regulations, § 1720.5.		N/A	

Adequacy Issue:	Adequate _____ Inadequate <b>X</b>	<b>DATA ADEQUACY WORKSHEET</b>		Revision No. <u>0</u>	Date <u>August 23, 2001</u>
Technical Area:	<b>Project Overview</b>	Project:	<b>Spartan I Energy Center</b>	Technical Staff:	<u>Kevin Kennedy</u>
Project Manager:	<u>Kevin Kennedy</u>	Docket:	<b>01-AFC-13</b>	Technical Senior:	<u>Paul Richins</u>

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (d) (1)	A copy of any study or analysis required by the terms of the Commission's Final Decision on the NOI, and a brief summary of the results of the study or analysis.		N/A	
Appendix B (d) (2)	Updates of any significant information which has changed since the Commission's Final Decision on the NOI.		N/A	
Appendix B (e) (1)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	Section 3.10	Yes	

Adequacy Issue: Adequate      Inadequate **X**

Technical Area: **Project Overview**

Project Manager: \_\_\_\_\_

**DATA ADEQUACY WORKSHEET**  
 (Six Month Expedited Process)  
 Project: **Spartan I Energy Center**  
 Docket: **01-AFC-13**

Revision No. 00      Date 8/23/01

Technical Staff: Kevin Kennedy

Technical Senior: \_\_\_\_\_

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Entire AFC	N/A	See individual technical sections
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Entire AFC	N/A	See individual technical sections
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	Entire AFC	N/A	See individual technical sections
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Entire AFC	N/A	See individual technical sections
§2022(b)(5)	The following information to demonstrate that the project, if certified, is likely to be constructed and operated;			



Adequacy Issue: Adequate Inadequate **X**

Technical Area: Project Overview

Project Manager: \_\_\_\_\_

**DATA ADEQUACY WORKSHEET**  
 (Six Month Expedited Process)

Project: Spartan I Energy Center

Docket: 01-AFC-13

Revision No. 00 Date 8/23/01

Technical Staff: Kevin Kennedy

Technical Senior: \_\_\_\_\_

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(5)(A) (Project Description)	Information demonstrating the applicant's control, by ownership, lease, option, or other legally binding agreement, that the Commission finds acceptable, of the proposed site and	Sections 1.1 and 1.4.3, App. V, App. Z	No	<p>AFC was submitted by Spartan Power LLC, while site lease agreement in Appendix V shows the tenant as Spartan I Energy Center LLC. Clarify relationship of these two companies.</p> <p>AFC states that site is owned by DiNapoli, DiNapoli and Mulchahy, and lease agreement in Appendix V shows this company as landlord . Appendix Z lists the owner of parcel APN 477-21-025 (project site) as W.L. Battaglia. Please clarify ownership of project site.</p>

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date August 17, 2001

Technical Area: **Public Health**

Project: Spartan I Energy Center

Technical Staff: Alvin Greenberg

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sec. 3.3 Sec. 5.2.1 Sec. 5.16.1 Sec. 5.16.2.1 Sec. 5.16.2.4 Table 5.16 - 3 Sec. 5.16.2.6 Sec. 5.16.3 Sec. 5.18 Sec. 5.2.5.1 Sec. 5.2.5.2	No	Public health impacts due to pre-construction site preparation and construction equipment diesel exhaust must be provided as well as proposed mitigation.
Appendix B (g) (9) (A)	A list of all toxic substances emitted by the project under normal operating conditions, which may cause an adverse public health impact as a result of acute, chronic, or sub-chronic exposure and to which members of the public may be exposed. This list should include, at a minimum, any pollutants emitted by the project that are listed pursuant to Health and Safety Code § 25249.8.	Table 5.16 – 1 Table 5.16 – 2	Yes	
Appendix B (g) (9) (B)	A protocol describing the analysis which the applicant will conduct to determine the extent of potential public exposure to substances identified in subsection (g)(9)(A) resulting from normal facility operation. The analysis itself can be submitted after the AFC is complete.	Sec. 5.16.2.3 Table 5.16 –2 Sec. 5.2.4.2.1	Yes	
Appendix B (g) (9) (C)	A map at a scale of 1:24,000, showing all terrain areas exceeding the elevation of the stack within a 10 mile radius of the facility.	Figure 5.16. - 1	Yes	
Appendix B (g) (9) (D)	A map at a scale of 1:24,000, showing the distribution of population and sensitive receptors within the area exposed to the substances identified in subsection (g)(9)(A).	Figure 5.9-1 Figure 5.9-5	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date August 17, 2001

Technical Area: **Public Health**

Project: Spartan I Energy Center

Technical Staff: Alvin Greenberg

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 5.2 – 28 Sec. 5.16.6 Sec. 7.4.2 Table 7.1-1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 5.16-4 Table 5.16-5	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	7.4.2.5 5.16.6.3	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.16-4	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 5.16-5	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

## DATA ADEQUACY WORKSHEET

(Six Month Expedited Process)

Revision No. 0 Date August 23, 2001

Technical Area: **Public Health**

Project: **Spartan I Energy Center**

Technical Staff: Alvin Greenberg

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Sec. 5.16.6.1 Sec 5.16.6.2 Sec 7.4.2	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Sec. 5.16.6	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		N/A	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Sec. 5.16.8 Table 5.16-4 Table 5.16-5	Yes	
§2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			
§2022(b)(2)(D) (Air Quality, Public Health)	A modeling analysis that identifies the extent of potential public exposure to toxic substances, as identified in subsection (g)(9)(A) of Appendix B, resulting from normal facility operation;	Sec. 5.16.2.3 Sec. 5.16.2.4 Sec. 5.16.2.5 Sec. 5.16.2.6	Yes	

Adequacy Issue: Adequate **X** Inadequate \_\_\_\_\_

Technical Area: **Public Health** \_\_\_\_\_

Project Manager: Kevin Kennedy \_\_\_\_\_

**DATA ADEQUACY WORKSHEET**  
**(Six Month Expedited Process)**

Project: **Spartan I Energy Center**

Docket: 01-AFC-13

Revision No. 0 Date August 23, 2001

Technical Staff: Alvin Greenberg

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(4)(C) (Public Health)	Identification of available health studies concerning the potentially affected population(s) within a six-mile radius of the proposed power plant site;		N/A	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date August 14, 2001

Technical Area: **Reliability**

Project: Spartan I Energy Center

Technical Staff: Steve Baker

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	§§ 1.1, 1.4.2, 1.4.6, 1.4.7, 1.6.2, 1.6.3, 2.2.3.1, 3.3.1, 3.4.1; Table 3.4-1; §§ 3.4.4.1, 3.4.4.2, 3.4.5.7, 3.4.5.8, 3.4.6, 3.4.7, 3.4.8, 3.4.9, 3.4.15, 3.5.1.4, 3.7.1, 3.7.2, 3.9.1, 3.9.1.1, 3.9.1.2, 3.9.1.3, 3.9.1.6, 3.9.3, 7.4.1; Appendix R	Yes	
Appendix B (i) (3) (A)	A discussion of the sources and availability of the fuel or fuels to be used over the estimated service life of the facilities.	§§ 1.4.6, 3.7.1, 3.9.3; Appendix R	Yes	
Appendix B (i) (3) (B)	A discussion of the anticipated service life and degree of reliability expected to be achieved by the proposed facilities based on a consideration of:	—	—	
Appendix B (i) (3) (B) (i)	Expected annual and lifetime capacity factors;	§§ 2.2, 3.1, 3.4.1, 3.9.1, 3.9.1.2	Yes	
Appendix B (i) (3) (B) (ii)	The demonstrated or anticipated feasibility of the technologies, systems, components, and measures proposed to be employed in the facilities, including the power generation system, the heat dissipation system, the water supply system, the reinjection system, the atmospheric emission control system, resource conveyance lines, and the waste disposal system;	§§ 1.1, 1.4.2, 3.4.1; Table 3.4-1; §§ 3.4.9, 3.5.1.1, 3.9.1	Yes	
Appendix B (i) (3) (B) (iii)	Geologic and flood hazards, meteorologic conditions and climatic extremes, and cooling water availability;	§§ 1.4.7, 1.6.2, 1.6.3, 3.4.7, 3.7.2, 3.9.3; Appendices R, W	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date August 14, 2001

Technical Area: **Reliability**

Project: Spartan I Energy Center

Technical Staff: Steve Baker

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (3) (B) (iv)	Special design features adopted by the applicant or resource supplier to ensure power plant reliability; and	§§ 1.5, 1.6.2; Table 3.4-1; §§ 3.4.5.7, 3.4.5.8, 3.4.15, 3.9.1.2, 3.9.1.3, 3.9.1.6	Yes	
Appendix B (i) (3) (B) (v)	The expected power plant maturation period.	Not Found	No	Describe the maturation or break-in period of technologies employed in the plant
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;		N/A	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.		N/A	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).		N/A	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.		N/A	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		N/A	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 8/15/2001

Technical Area: **Socioeconomics**

Project: Spartan I Energy Center

Technical Staff: Dr. Joseph Diamond

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC, Vol. I 5.10.1.1 Affected Environment, page 5.10-1 and 5.10-2. 5.10.2.4.1 Construction Impacts, page 5.10-10. Table 5.10-12 Projected Monthly Manpower By Craft, page 5.10-23. 5.10.2.4.2 Operations and Maintenance Impact, pages 5.10-10 and 5.10-11. 5.10.3 Cumulative Impacts, page 5.10-12. 5.10.4 Mitigation Measures, page 5.10-12. 5.10.5 5.10.5 Significant Unavoidable Adverse Impacts, page 5.10-12.	No	Please provide income and employment multipliers and impact analysis for direct and secondary (indirect and induced) components.
Appendix B (g) (7) (A)	A description of the socioeconomic circumstances of the vicinity and region affected by construction and operation of the project. Include:		N/A	



Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 8/15/2001

Technical Area: **Socioeconomics**

Project: Spartan I Energy Center

Technical Staff: Dr. Joseph Diamond

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (A) (i)	The economic characteristics, including the economic base, fiscal resources, and a list of the applicable local agencies with taxing powers and their most recent and projected revenues;	<p>5.10.1.4 Employment and Economy, pages 5.10-5 to 5.10-7.</p> <p>Table 5.10-6 Nine-County Bay Area Employment By Industry (2000), page 5.10-18.</p> <p>Table 5.10-7 Nine-County Bay Area Employment Trends (1990-2010), page 5.10-19.</p> <p>Table 5.10-8 Unemployment Rates (1990-2000), page 5.10-20.</p> <p>Table 5.10-9 Bay Area Employment By Industry Trends (2000-2010), page 5.10-20.</p> <p>Table 5.10-10 Non-Farm Employment By Industry Sector, page 5.10-21.</p> <p>Table 5.10-11 Income And Employment By Race, page 5.10-22.</p> <p>5.10.1.8 Fiscal Resources, page 5.10-8.</p> <p>5.10.2.5 Fiscal Impacts, pages 5.10-11 and 5.10-12.</p>	No	Please provide a list of the applicable local agencies with taxing powers and the most recent and projected revenues.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 8/15/2001

Technical Area: **Socioeconomics**

Project: Spartan I Energy Center

Technical Staff: Dr. Joseph Diamond

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (A) (ii)	The social characteristics, including population and demographic and community trends;	5.10.1.2 Population and Housing, pages 5.10-2 to 5.10-4.  5.10.2.3 Population and Housing, page 5.10-9.  Table 5.10-1 San Francisco Bay Area Population Trends And Projections and Historical and Projected Annual Growth Rates, page 5.10-14.  Table 5.10-3 Santa Clara County and Project Neighborhood Demographic Data (2000), page 5.10-15.	Yes	
Appendix B (g) (7) (A) (iii)	Existing and projected unemployment rates;	5.10.1.4 Employment and Economy, pages 5.10-5 to 5.10-7.  Table 5.10-8 Unemployment Rates (1990-2000), page 5.10-20.  AFC Vol. II Appendix T Environmental Justice Screening Analysis, pages P4 to P6.  Table 5.10-11 Income and Employment By Race, page 5.10-22.	No	Please provide an estimate of projected unemployment rates.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X** \_\_\_\_\_

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 8/15/2001

Technical Area: **Socioeconomics**

Project: Spartan I Energy Center

Technical Staff: Dr. Joseph Diamond

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (A) (iv)	Availability of skilled workers by craft required for construction and operation of the project;	<p>Table 5.10-12 Projected Monthly Manpower By Craft, page 5.10-23.</p> <p>Table 5.10-13 Maximum Number of Workers, By craft, page 5.10-24.</p> <p>5.10.2.2 Labor Force, Employment and Income, Construction Employment, page 5.10-8&amp;9 and Operations and Maintenance Employment, page 5.10-9.</p> <p>Table 5.10-6 Nine County Bay Area Employment By Industry (2000), page 5.10-18.</p> <p>Table 5.10-12 Projected Monthly Manpower By Craft, page 5.10-23.</p> <p>Table 5.10-13 Maximum Number of Workers, By Craft, page 5.10-24.</p>	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 8/15/2001

Technical Area: **Socioeconomics**

Project: Spartan I Energy Center

Technical Staff: Dr. Joseph Diamond

Project Manager: Kevin Kennedy

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Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (A) (v)	Availability of temporary and permanent housing; and	5.10.1.2 Population and Housing, pages 5.10-2 to 5.10-4.  5.10.2.3 Population and Housing, page 5.10-9.  Table 5.10-2 Housing Characteristics January 1, 2000, page 5.10-15.  Table 5.10-3 Santa Clara County And Project Neighborhood Demographic Data (2000), page 5.10-15.  Table 5.10-4 Project Site Neighborhood Housing Characteristics (1990), page 5.10-16.	Yes	
Appendix B (g) (7) (A) (vi)	Capacities, existing and expected use levels, and planned expansion of utilities (gas, water and waste) and public services, including fire protection, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information for each school district shall include current enrollment and yearly expected enrollment by grade level groupings, excluding project-related changes, for the duration of the project construction schedule.	5.10.1.5 Schools, page 5.10-7.  5.10.1.6 Utilities, page 5.10-7.  5.10.1.7 Emergency and Other Services, page 5.10-8.  5.10.2.4.2 Operations and Maintenance Impact, page 5.10-10.	Yes	
Appendix B (g) (7) (B)	A discussion of the socioeconomic impacts caused by the construction and operation of the project, including:		N/A	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X** \_\_\_\_\_

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 8/15/2001

Technical Area: **Socioeconomics**

Project: Spartan I Energy Center

Technical Staff: Dr. Joseph Diamond

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (B) (i)	The number of workers to be employed each month by craft during construction and operation;	<p>5.10.2.2.1 Project Site Construction Employment, page 5.10-8.</p> <p>Table 5.10-12 Projected Monthly Manpower By Craft, page 5.10-23.</p> <p>Table 5.10-13 Maximum Number of Workers, By Craft, page 5.10-24.</p> <p>5.10.2.2.1 Project Site, Operations and Maintenance Employment, page 5.10-9.</p> <p>Table 5.10-6 Nine-County Bay Area Employment By Industry, page 5.10-18.</p>	Yes	
Appendix B (g) (7) (B) (ii)	An estimate of the number and percentage of workers who will commute daily, commute weekly, or relocate in order to work on the project;	<p>5.11.2.1.1 Power Plant Construction Site Trip Generation, pages 5.11-5 and 6.</p> <p>5.10.2.2.1 Project Site Construction Employment and Operations and Maintenance Employment, pages 5.10-8 and 9.</p> <p>Construction Impact. Public Schools, page 5.10-10.</p> <p>5.10.2.4.2 Operations and Maintenance Impact, Public Schools, page 5.10-11.</p>	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 8/15/2001

Technical Area: **Socioeconomics**

Project: Spartan I Energy Center

Technical Staff: Dr. Joseph Diamond

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (B) (iii)	An estimate of the potential population increase caused directly and indirectly by the project;	5.10.2.2. Population and Housing, page 5.10-9.	Yes	
Appendix B (g) (7) (B) (iv)	The potential impact of population increase on housing during the construction and operations phases;	Same as above.	Yes	
Appendix B (g) (7) (B) (v)	The potential impacts, including additional costs, on utilities (gas, water and waste) and public services, including fire, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information on schools shall include project-related enrollment changes by grade level groupings and associated facility and staffing impacts by school district during the construction and operation phases;	5.10.2.2. Public Services and Utilities, page 5.10-10. 5.10.2.4.2 Operations and Maintenance Impact, pages 5.10-10 to 5.10-11.	Yes	
Appendix B (g) (7) (B) (vi)	An estimate of applicable school impact fees;	5.10.2.5 Fiscal Impacts, School Impact Fees, pages 5.10-11 and 12.	No	Please provide an estimate of applicable school impact fees.
Appendix B (g) (7) (B) (vii)	An estimate of the total construction payroll and an estimate of the total operation payroll;	5.10.2.2.1 Project Site, Payroll, page 5.10-9 and Operation and Maintenance Employment, page 5.10-9.	Yes	
Appendix B (g) (7) (B) (viii)	An estimate of the expenditures for locally purchased materials for the construction and operation phases of the project; and	Same as above plus Table 5.10-14 Construction Resource Needs, page 5.10-25.	No	Please provide an estimate of locally purchased materials for the operation phase of the project.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X** \_\_\_\_\_

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 8/15/2001

Technical Area: **Socioeconomics**

Project: Spartan I Energy Center

Technical Staff: Dr. Joseph Diamond

Project Manager: Kevin Kennedy

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Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (B) (ix)	An estimate of the capital cost of the project of the potential impacts on tax revenues from construction and operation of the project.	5.10.2.5 Fiscal Impacts, pages 5.10-11 and 5.10-12..	No	Please provide: a. an estimate of the capital costs of the project. b. Property tax revenue from the operation of the project. c. Sales tax revenue from the operation of the project.
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	7.0 LORS, 7.5.10 Socioeconomics, pages 7-28 and 7-29..	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Same as above.	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X** \_\_\_\_\_

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 8/15/2001

Technical Area: **Socioeconomics**

Project: Spartan I Energy Center

Technical Staff: Dr. Joseph Diamond

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	7.5.10.5 EC Compliance with Socioeconomic LORS, page 7-29.  7.5.10.6 Mitigation measures, page 5.10-12.  5.10.9 Recommended Conditions of Certification, page 5.10-13.	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.		Yes	
Appendix (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	5.10.8 Permits and Permitting Schedule, page 5.10-13.	N/A	



Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**  
 Technical Area: Socioeconomics  
 Project Manager: Kevin Kennedy

**DATA ADEQUACY WORKSHEET**  
**(Six Month Expedited Process)**  
 Project: Spartan I Energy Center  
 Docket: 01-AFC-13

Revision No. 0 Date 8/15/2001  
 Technical Staff: Dr. Joseph Diamond  
 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	7.5.10 Socioeconomics, page 7-28.	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	5.10.6 LORS Compliance, page 5.10-12. 7.5.10.5 SEC Compliance With Socioeconomic LORS, page 7-29.	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		N/A	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	5.10.8 Permits Required and Permit Schedule, page 5.10-13.	N/A	
§2022(b)(4) (Any area that addresses disproportionate impacts; environmental justice)	A discussion of the potential for disproportionate impacts from the project on minority or low-income people; such discussion shall include, but not be limited to, all of the following:			

Adequacy Issue:	Adequate _____ Inadequate <b>X</b>	<b>DATA ADEQUACY WORKSHEET</b>		Revision No.	0	Date	8/15/2001
		<b>(Six Month Expedited Process)</b>					
Technical Area:	<u>Socioeconomics</u>	Project:	<u>Spartan I Energy Center</u>	Technical Staff:	<u>Dr. Joseph Diamond</u>		
Project Manager:	<u>Kevin Kennedy</u>	Docket:	<u>01-AFC-13</u>	Technical Senior:	<u>Dale Edwards</u>		

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(4)(A) (Land Use, Socioeconomics)	Demographic information by census tract, based on the most recent census data available, showing the number and percentage of minority populations and people living below the poverty level within six miles of the proposed site;	AFC, Vol. II, Appendix T, Environmental Justice Screening Analysis, page P4.	No	Please provide demographic information by census tract, based on the most recent census data available, showing the number and percentage of minority populations and people living below the poverty level within six miles of the proposed site.
§2022(b)(4)(B) (Land Use, Socioeconomics)	One or more maps at a scale of 1:24,000 showing the distribution of minority populations and low-income populations and significant pollution sources within six miles of the proposed site, such as those permitted by the U.S. Environmental Protection Agency (Toxic Release Inventory sites), the local air quality management district, or the California Department of Toxic Substances Control; and		No	Please provide one or more maps at a scale of 1:24,000 showing the distribution of minority populations and low-income populations and significant pollution sources within six miles of the proposed site, such as those permitted by the U.S. Environmental Protection Agency (Toxic Release Inventory sites), the local air quality management district, or the California Department of Toxic Substances Control.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 8-20-01

Technical Area: **Soil Resources**

Project: Spartan I energy Center

Technical Staff: Tony Mediati

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sec. 3.3 Sec. 3.3.2.1 Page 3.3-1 Sec. 3.5.2 Pages 3.5-2 to 3.5-4 Appendix H Sec. 2.3 P 3, EB-1 to EB-5	No	Please provide a discussion of any monitoring plans proposed to verify the effectiveness of the mitigation measures.
Appendix B (g) (15) (A)	A map at a scale of 1:24,000 and written description of soil types and all agricultural land uses that will be affected by the proposed project. The description shall include:	Sec. 5.4.1 Page 5.4-1 to 5.4-2 Sec. 5.4.1.1.1 to 5.4.1.1.4 Page 5.4-4 to 5.4-6 Table 5.4-1 Figure 5.4-1	Yes	Note: Route 1 (5.4.1.1.2) soil types differ from Figure 5.4-1 soil types. Provide correct version.
Appendix B (g) (15) (A) (i)	The depth, texture, permeability, drainage, erosion hazard rating, and land capability class of the soil; and	Table 5.4-2 Page 5.4-2 to 5.4-4	Yes	
Appendix B (g) (15) (A) (ii)	An identification of other physical and chemical characteristics of the soil necessary to allow an evaluation of soil erodibility, permeability, re-vegetation potential, and cycling of pollutants in the soil-vegetation system.	Sec. 5.4.2.3 Page 5.4-8 to 5.4-9	No	Please provide an identification of other physical and chemical characteristics of the soil necessary to allow an evaluation of soil erodibility, permeability, re-vegetation potential, and cycling of pollutants in the soil-vegetation system.
Appendix B (g) (15) (C)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This discussion shall include:	Sec. 5.4.2.1 Pages 5.4-7 to 5.4-8		
Appendix B (g) (15) (C) (i)	The quantification of accelerated soil loss due to wind and water erosion;	Sec. 5.4.2.3 Pages 5.4-8 to 5.4-9	No	Due to the potential for erosion to reach Coyote Creek, please provide quantification of accelerated soil loss due to wind and water erosion
Appendix B (g) (15) (C) (iii)	The effect of power plant emissions on surrounding soil-vegetation systems.	Sec. 5.2.4.2.3 Pages 5.2-37 to 5.2-39	No	Figure 5.4-1 indicates vegetation within one mile of the plant site. Please provide the effect of power plant emissions on surrounding soil-vegetation systems within one mile.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date 8-20-01

Technical Area: **Soil Resources**

Project: Spartan I energy Center

Technical Staff: Tony Mediati

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Sec. 5.4.5 Page 5.4-10 Sec. 7.5.4 Pages 7-17 to 7-19 Table 7.1-1 p 7-47 to 7-48	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Sec. 5.4.5 Page 5.4-10 Sec. 7.5.4 Pages 7-17 to 7-19 Table 7.1-1 p 7-47 to 7-48	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Sec. 1.2.1.1 p1-2 Sec. 3.3.2.3 p 3.3-2 Table 7.1-1 p 7-47 to 7-48	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Sec. 5.4.6 p 5.4-10 Table 5.4-3	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Sec. 5.4.7 Page 5.4-10 to 5.4-11 Table 5.4-4	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐  
 Technical Area: Soils Resources  
 Project Manager: Kevin Kennedy

# DATA ADEQUACY WORKSHEET

(Six Month Expedited Process)

Revision No. 0 Date 8-20-01  
 Technical Staff: Tony Mediati  
 Technical Senior: Dick Anderson

Project: Spartan I Energy Center  
 Docket: 01-AFC-13

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Sec. 5.4.5 Page 5.4-10	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Sec. 1.2.1.1 Page 1-2 Sec. 3.3.2.3 Page 3.3-2 Table 7.1-1 Page 7-47 to 7-48	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	Sec. 1.2.1.1 Page 1-2 Sec. 7.5.4 Pages 7-17 to 7-19 Table 7.1-1 p 7-47 to 7-48	Yes	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Sec. 5.4.5.1 Sec. 5.4.5.2 Sec. 5.4.5.3 Page 5.4-10 Table 7.1-1 p 7-47 to 7-48	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date August 20, 2001

Technical Area: **T-Line Safety and Nuisance**

Project: Spartan I Energy Center

Technical Staff: Obed Odoemelam

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (2) (A)	A discussion of the need for the additional electric transmission lines, substations, or other equipment, the basis for selecting principal points of junction with the existing electric transmission system, and the capacity and voltage levels of the proposed lines, along with the basis for selection of the capacity and voltage levels.		N/A	
Appendix B (i) (2) (B)	A discussion of the extent to which the proposed electric transmission facilities have been designed, planned, and routed to meet the transmission requirements created by additional generating facilities planned by the applicant or any other entity.		N/A	
Appendix B (b) (2) (C)	A detailed description of the design, construction, and operation of any electric transmission facilities, such as power lines, substations, switchyards, or other transmission equipment, which will be constructed or modified to transmit electrical power from the proposed power plant to the load centers to be served by the facility. Such description shall include the width of rights of way and the physical and electrical characteristics of electrical transmission facilities such as towers, conductors, and insulators. This description shall include power load flow diagrams which demonstrate conformance or nonconformance with utility reliability and planning criteria at the time the facility is expected to be placed in operation and five years thereafter; and		N/A	

Adequacy Issue: Adequate **X** Inadequate

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date August 20, 2001

Technical Area: **T-Line Safety and Nuisance**

Project: Spartan I Energy Center

Technical Staff: Obed Odoemelam

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (2) (D)	A description of how the route and additional transmission facilities were selected, and the consideration given to engineering constraints, environmental impacts, resource conveyance constraints, and electric transmission constraints.		N/A	
Appendix B (g) (18) (A)	The locations and a description of the existing switchyards and overhead and underground transmission lines that would be affected by the proposed project.	Section 3.6, Pages 3.6-1 and 3.6-2. Section 3.4, Page 3.4-4.	Yes	
Appendix B (g) (18) (B)	An estimate of the existing electric and magnetic fields from the facilities listed in (A) above and the future electric and magnetic fields that would be created by the proposed project, calculated at the property boundary of the site and at the edge of the rights of way for any transmission line. Also provide an estimate of the radio and television interference that could result from the project.	Section 4.2, Page 4.2-2. Appendix Q.	Yes	
Appendix B (g) (18) (C)	Specific measures proposed to mitigate identified impacts, including a description of measures proposed to eliminate or reduce radio and television interference, and all measures taken to reduce electric and magnetic field levels.	Section 3.6, Pages 3.6-1.	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 3.0, Pages 3-46 through 3-49.	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date August 20, 2001

Technical Area: **T-Line Safety and Nuisance**

Project: Spartan I Energy Center

Technical Staff: Obed Odoemelam

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 7.0, Pages 7-41 and 7-42.	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 7.0, Page 7-11 and 7-12.	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.		N/A	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 7.0, Page 7-11.	Yes	



Adequacy Issue: Adequate **X** Inadequate

# **DATA ADEQUACY WORKSHEET** (Six Month Expedited Process)

Revision No. 0 Date August 20, 2001

Technical Area: **T-Line Safety and Nuisance**

Project: Spartan I Energy Center

Technical Staff: Obed Odoemelam

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Section 7.0, Pages 7-41 and 7-42	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Section 7.0, Pages 7-11 and 7-12.	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	Section 4.2, Page 4.2-2	Yes	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Section 3.6, Pages 3.6-1 and 3.6-2. Section 4.2, Pages 4.2-1 and 4.2-2	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 8/22/01

Technical Area: **Traffic and Transportation**

Project: Spartan I Energy Center

Technical Staff: Steve Brown

Project Manager: Kevin Kennedy

Docket: Spartan 01-AFC-13

Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	Provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC Section 5.11.1.2, 5.11.2.2, 5.11.2.4, 5.11.2.5, 5.11.3, 5.11.4, 5.11.8	Yes	
Appendix B (g) (5) (A)	A regional transportation setting, on topographic maps (scale of 1:250,000), identifying the project location and major transportation facilities. Include a reference to the transportation element of any applicable local or regional plan.	AFC Section 5.11.1.1, and Figure 5.11-1	No	Provide a topographic map at scale of 1:250,000, which shows the project location and major transportation facilities in the region.
Appendix B (g) (5) (B)	An identification, on topographic maps at a scale of 1:24,000 and a description of existing and planned roads, rail lines, including light rail, bike trails, airports, bus routes serving the project vicinity, pipelines, and canals in the project area affected by or serving the proposed facility. For each road identified, include the following information, where applicable:	AFC Figure 5.11-2  Section 5.11.1.2.3, 5.11.1.2.5, 5.11.1.3, 5.11.1.3.1, 5.11.1.3.2, 5.11.1.3.3	Yes	
Appendix B (g) (5) (B) (i)	Road classification and design capacity;	AFC Section 5.11.1.2.1 and Table 5.11-1	Yes	
Appendix B (g) (5) (B) (ii)	Current daily average and peak traffic counts;	AFC Section 5.11.12.1	No	Include a figure with existing peak traffic volumes.
Appendix B (g) (5) (B) (iii)	Current and projected levels of service before project development, during construction, and during project operation;	AFC Section 5.11.1.2.1, 5.11.2.2.1, 5.11.2.2.2, Tables 5.11-2, and 5.11-5	Yes	
Appendix B (g) (5) (B) (iv)	Weight and load limitations;	AFC Section 5.11.1.2.1	Yes	
Appendix B (g) (5) (B) (v)	Estimated percentage of current traffic flows for passenger vehicles and trucks; and	AFC Section 5.11.1.2.1	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 8/22/01

Technical Area: **Traffic and Transportation**

Project: Spartan I Energy Center

Technical Staff: Steve Brown

Project Manager: Kevin Kennedy

Docket: Spartan 01-AFC-13

Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (5) (B) (vi)	An identification of any road features affecting public safety.	AFC Section 5.11.1.2.1, 5.11.1.2.2, and Table 5.11-3	No	Include the presence, or lack thereof, any roadway features affecting public safety such as sharp turns, railroad crossings, etc.
Appendix B (g) (5) (C)	A description of any new, planned, or programmed transportation facilities in the project vicinity, including those necessary for construction and operation of the proposed project. Specify the location of such facilities on topographic maps at a scale of 1:24,000.	AFC Section 5.11.1.3.1	Yes	
Appendix B (g) (5) (D)	An assessment of the construction and operation impacts of the proposed project on the transportation facilities identified. Include anticipated project-specific traffic, estimated changes to daily average and peak traffic counts, levels of service, and traffic/truck mix, and the impact of construction of any facilities identified in subsection (g)(5)(C).	AFC Section 5.11.2.1.1, 5.11.2.2.1, 5.11.2.2.2, Table 5.11-5	No	Include table or graphic showing changes to daily and peak traffic volumes as a result of the project.
Appendix B (g) (5) (E)	A discussion of project-related hazardous materials to be transported to or from the project during construction and operation of the project, including the types, estimated quantities, estimated number of trips, anticipated routes, means of transportation, and any transportation hazards associated with such transport.	AFC Section 5.11.2.3 and 5.11.2.3.1	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	AFC Table 5.11-12	No	Provide a table discussing the project's conformance with laws, regulations, ordinances, etc. applicable to the proposed project.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 8/22/01

Technical Area: **Traffic and Transportation**

Project: Spartan I Energy Center

Technical Staff: Steve Brown

Project Manager: Kevin Kennedy

Docket: Spartan 01-AFC-13

Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	AFC Table 5.11-11	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	AFC Section 5.11.5, 5.11.8	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	AFC Table 5.11-11	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	AFC Table 5.11-12	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

Technical Area: Traffic and Transportation \_\_\_\_\_

Project Manager: Kevin Kennedy \_\_\_\_\_

# **DATA ADEQUACY WORKSHEET** (Six Month Expedited Process)

Revision No. 0 Date 8/22/01

Technical Staff: Steve Brown

Technical Senior: Eileen Allen

Project: Spartan I Energy Center

Docket: 01-AFC-13

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;		N/A	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Section 5.11.5, Page 5.11-9	No	The response for Appendix B item (h)(1)(a) will meet the requirement for this item.
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		N/A	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;		N/A	

Adequacy Issue:	Adequate _____ Inadequate <b>X</b>	<b>DATA ADEQUACY WORKSHEET</b>		Revision No. <u>0</u>	Date <u>August 28, 2001</u>
Technical Area:	<b>Transmission System Engineering</b>	Project:	<u>Spartan I Energy Center</u>	Technical Staff:	<u>Ajoy Guha</u>
Project Manager:	<u>Kevin Kennedy</u>	Docket:	<u>01-AFC-13</u>	Technical Senior:	<u>Al McCuen</u>

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (2) (A)	A discussion of the need for the additional electric transmission lines, substations, or other equipment, the basis for selecting principal points of junction with the existing electric transmission system, and the capacity and voltage levels of the proposed lines, along with the basis for selection of the capacity and voltage levels.	Sections 3.6.1, 3.6.2 & 3.6.3, Page 3.6.1	Yes	
Appendix B (i) (2) (B)	A discussion of the extent to which the proposed electric transmission facilities have been designed, planned, and routed to meet the transmission requirements created by additional generating facilities planned by the applicant or any other entity.		N/A	

Adequacy Issue:	Adequate _____ Inadequate <b>X</b>	<b>DATA ADEQUACY WORKSHEET</b>	Revision No. <u>0</u>	Date <u>August 28, 2001</u>
Technical Area:	<b>Transmission System Engineering</b>	Project: <u>Spartan I Energy Center</u>	Technical Staff: <u>Ajoy Guha</u>	
Project Manager:	<u>Kevin Kennedy</u>	Docket: <u>01-AFC-13</u>	Technical Senior: <u>Al McCuen</u>	

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (2) (C)	A detailed description of the design, construction, and operation of any electric transmission facilities, such as power lines, substations, switchyards, or other transmission equipment, which will be constructed or modified to transmit electrical power from the proposed power plant to the load centers to be served by the facility. Such description shall include the width of rights of way and the physical and electrical characteristics of electrical transmission facilities such as towers, conductors, and insulators. This description shall include power load flow diagrams which demonstrate conformance or nonconformance with utility reliability and planning criteria at the time the facility is expected to be placed in operation and five years thereafter; and	Section 3.6.4, Page 3.6-2  Generator Transmission Interconnection Study Report, Appendix Q, Pages 1 to 9	No	<p>Submit a new System Impact Study Report for first year operation of approximately 96 MW generation. Analyze the system impact with and without the project during peak and off-peak system conditions, which will demonstrate conformance or non-conformance with the utility reliability and planning criteria with the following provisions (refer to the study report submitted for 200 MW generation):</p> <ol style="list-style-type: none"> <li>Identify major assumptions in the base cases including imports to the system, major generation and load changes in the system and queue generation.</li> <li>Analyze system for N-0, important N-1 and critical N-2 contingency conditions and provide a list for criteria violations in a table showing the loadings before and after adding the new generation.</li> <li>Analyze system for Transient Stability and Post-transient voltage conditions under critical N-1 and N-2 contingencies, and provide related plots, switching data and a list for voltage violations in the studies (Optional- Data requests will follow).</li> <li>Identify the reliability and planning criteria utilized to determine the criteria violation.</li> <li>Provide a list of contingencies evaluated for each study.</li> <li>List mitigation measures considered (required) and those selected (optional- Data Requests will follow) for all criteria violations.</li> <li>Provide electronic copies of *.sav and *.drw PSLF files (optional-Data Requests will follow).</li> </ol> <p>Provide power flow diagrams ( MVA , % loading &amp; P. U. voltage) for base cases with and without the 96 MW generation project. Power flow diagrams must also be provided for all N-0, N-1 and N-2 studies where overloads or voltage violations appear.</p>

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date August 28, 2001

Technical Area: **Transmission System Engineering**

Project: Spartan I Energy Center

Technical Staff: Ajoy Guha

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Al McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (2) (D)	A description of how the route and additional transmission facilities were selected, and the consideration given to engineering constraints, environmental impacts, resource conveyance constraints, and electric transmission constraints.	Sections 3.6.1, 3.6.2 & 3.6.3, Page 3.6-1  Generator Transmission Interconnection Study, Pages 6 & 7	No	Provide a full description of the new interconnection facilities and downstream facilities requiring reconductoring or any other project. For their environmental settings and impacts, provide routes and detail environmental analysis and any recommended mitigation measures. (Note: for downstream facility reconductoring or any other project, the impact study for approximately 96 MW generation must be completed first).
Appendix B (g) (18) (A)	The locations and a description of the existing switchyards and overhead and underground transmission lines that would be affected by the proposed project.	Sections 3.6.1, 3.6.2 & 3.6.3, Page 3.6-1  Generator Transmission Interconnection Study, Pages 6 & 7	Yes	
Appendix B (g) (18) (B)	An estimate of the existing electric and magnetic fields from the facilities listed in (A) above and the future electric and magnetic fields that would be created by the proposed project, calculated at the property boundary of the site and at the edge of the rights of way for any transmission line. Also provide an estimate of the radio and television interference that could result from the project.		N/A	
Appendix B (g) (18) (C)	Specific measures proposed to mitigate identified impacts, including a description of measures proposed to eliminate or reduce radio and television interference, and all measures taken to reduce electric and magnetic field levels.		N/A	



Adequacy Issue:	Adequate <input type="checkbox"/> Inadequate <input checked="" type="checkbox"/>	<b>DATA ADEQUACY WORKSHEET</b>	Revision No. <u>0</u>	Date <u>August 28, 2001</u>
Technical Area:	<b>Transmission System Engineering</b>	Project: <u>Spartan I Energy Center</u>	Technical Staff:	<u>Ajoy Guha</u>
Project Manager:	<u>Kevin Kennedy</u>	Docket: <u>01-AFC-13</u>	Technical Senior:	<u>Al McCuen</u>

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 7.4.3, Pages 7-11 to 7-13  Section 3.6, Page 3.6-1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 7.1, Pages 7-41 & 7-42	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).		Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.		Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 3.6.4, Page 3.6-2	No	Indicate when preliminary approval from California Independent System Operator will be obtained on completion of the new impact study

Adequacy Issue:	Adequate	Inadequate	<b>X</b>	<b>DATA ADEQUACY WORKSHEET</b>	Revision No.	0	Date	August 28, 2001
				<b>(Six Month Expedited Process)</b>				
Technical Area:	<b>Transmission System Engineering</b>			Project:	Spartan I Energy center		Technical Staff:	Ajoy Guha
Project Manager:	Kevin Kennedy			Docket:	01-AFC-13		Technical Senior:	Al McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Section 7.4.3, Pages 7-11 to 7-13	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Section 3.6, Page 3.6-1 Section 7.1, Pages 7-41 & 7-42	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		N/A	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Section 7.1, Pages 7-41 & 7-42	Yes	
§2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			
§2022(b)(3) (TSE)	Substantial evidence that the project will not cause a significant adverse impact on the electrical system, including all of the following:			

Adequacy Issue:	Adequate _____ Inadequate <b>X</b>	<b>DATA ADEQUACY WORKSHEET</b>		Revision No.	0	Date	August 28, 2001
		<b>(Six Month Expedited Process)</b>					
Technical Area:	<b>Transmission System Engineering</b>	Project:	Spartan I Energy center	Technical Staff:	Ajoy Guha		
Project Manager:	Kevin Kennedy	Docket:	01-AFC-13	Technical Senior:	Al McCuen		

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(3)(A) (TSE)	An interconnection study identifying the electrical system impacts and a discussion of the mitigation measures considered and those proposed to maintain conformance with NERC, WSCC, Cal-ISO or other applicable reliability or planning criteria based on load flow, post transient, transient, and fault current studies performed by or for the transmission owner in accordance with all applicable Cal-ISO or other interconnection authority's tariffs, operating agreements, and scheduling protocols and	Section 3.6.4, Page 3.6-2 Generator Transmission Interconnection Study Report, Appendix Q, Pages 1 to 9	No	<p>Submit a new System Impact Study Report for first year operation of approximately 96 MW generation. Analyze the system impact with and without the project during peak and off-peak system conditions, which will demonstrate conformance or non-conformance with the utility reliability and planning criteria with the following provisions (refer to the study report submitted for 200 MW generation):</p> <ul style="list-style-type: none"> <li>h. Identify major assumptions in the base cases including imports to the system, major generation and load changes in the system and queue generation.</li> <li>i. Analyze system for N-0, important N-1 and critical N-2 contingency conditions and provide a list for criteria violations in a table showing the loadings before and after adding the new generation.</li> <li>j. Analyze system for Transient Stability and Post-transient voltage conditions under critical N-1 and N-2 contingencies, and provide related plots, switching data and a list for voltage violations in the studies.</li> <li>k. Identify the reliability and planning criteria utilized to determine the criteria violation.</li> <li>l. Provide a list of contingencies evaluated for each study.</li> <li>m. List mitigation measures considered and those <u>selected</u> for all criteria violations.</li> <li>n. Provide electronic copies of *.sav and *.drw PSLF files (optional-Data Requests will follow).</li> <li>o. Provide power flow diagrams ( MVA , % loading &amp; P. U. voltage) for base cases with and without the 96 MW generation project. Power flow diagrams must also be provided for all N-0, N-1 and N-2 studies where overloads or voltage violations appear.</li> </ul>

Adequacy Issue:

Adequate

Inadequate

**X**

**DATA ADEQUACY WORKSHEET**

(Six Month Expedited Process)

Revision No.

0

Date

August 28, 2001

Technical Area:

Transmission System Engineering

Project:

Spartan I Energy center

Technical Staff:

Ajoy Guha

Project Manager:

Kevin Kennedy

Docket:

01-AFC-13

Technical Senior:

Al McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(2)(B) (TSE/FD)	A full description of the facilities, if any, that are required for interconnection, including all such facilities beyond the point where the outlet line joins with the interconnected system and a full description of the environmental setting, environmental impacts, and any recommended mitigation measures proposed by the applicant for any required facilities beyond the point where the outlet joints with the interconnected system;	Sections 3.6.1, 3.6.2 & 3.6.3, Page 3.6-1  Generator Transmission Interconnection Study, Pages 6 & 7	No	Provide a full description of the new interconnection facilities and downstream facilities requiring reconductoring or any other project. For their environmental settings and impacts, <u>provide routes and detail environmental analysis (including other technical areas related to transmission) and any recommended mitigation measures.</u> (Note: for downstream facility reconductoring or any other project, the impact study for approximately 96 MW generation must be completed first).

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **x** \_\_\_\_\_  
 Technical Area: **Visual Resources**  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date August 20, 2001

Project: Spartan I Energy Center

Technical Staff: Eric Knight

Docket: 01-AFC-13

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Pages 5.13-2 - 5.13-3; Section 5.13.1.2  Pages 5.13-9 - 5.13-12; Sections 5.13.2 - 5.13.5	No	Please describe the visual impacts of the proposed 2,000-foot long electric transmission line.  It is staff's understanding that the project may result in the need for the reconductoring of several transmission line segments. Please describe the visual impacts of reconductoring if it is determined necessary by the interconnection study.
Appendix B (g) (6) (A)	Descriptions of the existing visual setting of the vicinity of the project, the region that can be seen from the vicinity of the project, and the proposed project site. Include:	Pages 5.13-2 – 5.13-3; Section 5.13.1	Yes	
Appendix B (g) (6) (A) (i)	Topographic maps at a scale of 1:24,000 of the areas from which the project may be seen, identification of the view areas most sensitive to the potential visual impacts of the project, and the locations where photographs were taken for (g)(6)(E);	Figure 5.13-1	No	Please provide a topographic maps at a scale of 1:24,000 depicting the project viewshed (i.e., the extent of the area from which the project may be seen).
Appendix B (g) (6) (A) (ii)	Elevations of any existing structures on the site; and	Page 5.13-9; Section 5.13.2.2  Figure 3.4-2	Yes	
Appendix B (g) (6) (A) (iii)	The visual properties of the topography, vegetation, and any modifications to the landscape as a result of human activities.	Pages 5.13-2 – 5.13-3; Section 5.13.1	Yes	
Appendix B (g) (6) (B)	An assessment of the visual quality of those areas that will be impacted by the proposed project.	Pages 5.13-6 - 5.13-7; Section 5.13.1.4.2	No	Please provide a visual quality rating of the view as seen from KOP 1.

Adequacy Issue:	Adequate _____ Inadequate <b>x</b>	<b>DATA ADEQUACY WORKSHEET</b>		Revision No. 0	Date August 20, 2001
Technical Area:	<b>Visual Resources</b>	Project:	Spartan I Energy Center	Technical Staff:	Eric Knight
Project Manager:	Kevin Kennedy	Docket:	01-AFC-13	Technical Senior:	Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (6) (C)	After discussions with staff and community residents who live in close proximity to the proposed project, identify the scenic corridors and any visually sensitive areas potentially affected by the proposed project, including recreational and residential areas. Indicate the approximate number of people using each of these sensitive areas and the estimated number of residences with views of the project. For purposes of this section, a scenic corridor is that area of land with scenic natural beauty, adjacent to and visible from a linear feature, such as a road, or river.	Pages 5.13-5 - 5.13-8; Section 5.13.1.4.1	No	Although the AFC indicates (page 5.13-5) that the applicant consulted with CEC staff to identify visually sensitive areas potentially affected by the project and specific key observation points (KOPs), staff is not aware of any consultation on this project. Thus, staff cannot confirm if the four key observation points (KOP) selected by the applicant are adequate from which to evaluate potential visual impacts. Staff may request the establishment of additional KOPs in the discovery phase after visiting the site and surroundings.  Please estimate the number of people that visit the Maranatha Christian Center (KOP 1).
Appendix B (g) (6) (D)	A description of the dimensions, color, and material of each major visible component of the project.	Page 5.13-9; Section 5.13.2.2	No	Please describe the proposed color(s) of the major visible components of the project.
Appendix B (g) (6) (E)	Full-page color photographic reproductions of the existing site, and full-page color simulations of the proposed project in the existing setting from each location representative of the view areas most sensitive to the potential visual impacts of the project.	Figures 5.13-2 - 5.13-9	Yes	
Appendix B (g) (6) (F)	An assessment of the visual impacts of the project, including light and glare, and visible plumes.	Pages 5.13-9 - 5.13-11; Section 5.13.2.3	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Pages 5.13-12 - 5.13-13; Section 5.13.6	No	Please list the applicable goals, policies, standards related to visual resources contained in the City of San Jose General Plan.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **x** \_\_\_\_\_  
 Technical Area: **Visual Resources**  
 Project Manager: **Kevin Kennedy**

# DATA ADEQUACY WORKSHEET

Revision No. **0** Date **August 20, 2001**  
 Project: **Spartan I Energy Center** Technical Staff: **Eric Knight**  
 Docket: **01-AFC-13** Technical Senior: **Dale Edwards**

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Page 5.13-13; Section 5.13.7	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Page 5.13-12; Section 5.13.6	No	Please discuss how the project intends to conform to the applicable goals, policies, and standards related to visual resources contained in the San Jose General Plan and listed for Appendix B (h) (1) (A) above.
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Page 5.13-13; Section 5.13.7	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		N/A	

Adequacy Issue:	Adequate _____ Inadequate <b>X</b>	<b>DATA ADEQUACY WORKSHEET</b> (Six Month Expedited Process)	Revision No. 0	Date August 20, 2001
Technical Area:	<b>Visual Resources</b>	Project: Spartan I Energy Center	Technical Staff:	Eric Knight
Project Manager:	Kevin Kennedy	Docket: 01-AFC-13	Technical Senior:	Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Page 5.13-13; Section 5.13.6	No	Please list the applicable goals, policies, standards related to visual resources contained in the City of San Jose General Plan.  Please list the applicable standards related to visual resources contained in the San Jose Zoning Ordinance.
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Pages 5.13-14 - 5.13-18; Section 5.13.9	No	Please discuss how the project intends to conform to the applicable goals, policies, and standards related to visual resources contained in the San Jose General Plan and Zoning Ordinance identified for §2022(b)(1)(A).
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		No	If any standard, ordinance, or law identified for §2022(b)(1)(A) is expected to change before certification of the project, please provide information from the City documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law. If no changes are expected, please indicate as such.
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;		No	Please provide a list of the City of San Jose requirements for permitting if the City, and not the Energy Commission, had jurisdiction over the project, and the information necessary to meet those requirements.



Adequacy Issue: Adequate **X** Inadequate

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date August 17, 2001

Technical Area: **Waste Management**

Project: **Spartan I Energy Center**

Technical Staff: Alvin Greenberg

Project Manager: Kevin Kennedy

Docket: **01-AFC-13**

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (1) (C)	A detailed description of the design, construction and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios; and	Sec. 5.14.2.1.1 Sec. 5.14.2.1.2 Sec. 5.14.4 Sec. 3.5.1 Sec. 3.5.2	Yes	
Appendix B (e) (2)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	Sec. 5.14.2.2 Sec. 3.10	Yes	
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sec. 5.14.2 Sec. 5.14.3 Sec. 5.14.4	Yes	
Appendix B (g) (12) (A)	A Phase I Environmental Site Assessment for the proposed power plant site using methods prescribed by the American Society for Testing and Materials (ASTM) document entitled "Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process" (Designation: E 1527-93, May 1993), which is incorporated by reference in its entirety; or an equivalent method agreed upon by the applicant and the CEC Staff that provides similar documentation of the potential level and extent of site contamination.	Appendix S	Yes	

Adequacy Issue: Adequate **X** Inadequate

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date August 17, 2001

Technical Area: **Waste Management**

Project: **Spartan I Energy Center**

Technical Staff: Alvin Greenberg

Project Manager: Kevin Kennedy

Docket: **01-AFC-13**

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (12) (B)	A description of each waste stream estimated to be generated during project construction and operation, including origin, hazardous or nonhazardous classification pursuant to Title 22, California Code of Regulations, § 66261.20 et seq., chemical composition, estimated annual weight or volume generated, and estimated frequency of generation.	Sec. 5.14.2.1.1 Sec. 5.14.2.1.2 Table 5.14-2 Table 5.14-3	Yes	
Appendix B (g) (12) (C)	A description of all waste disposal sites which may feasibly be used for disposal of project wastes. For each site, include the name, location, classification under Title 23, California Code of Regulations, § 2530 et seq., the daily or annual permitted capacity, daily or annual amounts of waste currently being accepted, the estimated closure date and remaining capacity, and a description of any enforcement action taken by local or state agencies due to waste disposal activities at the site.	Table 5.14-1 Sec. 5.14.1.2	Yes	
Appendix B (g) (12) (D)	A description of management methods for each waste stream, including methods used to minimize waste generation, length of on- and off-site waste storage, re-use and recycling opportunities, waste treatment methods used, and use of contractors for treatment.	Sec. 5.14.2.1.1 Sec. 5.14.2.1.2 Table 5.14-2 Table 5.14-3 Sec. 5.14.4.2	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Sec. 5.14.6 Sec. 7.5.15 Table 7.1-1	Yes	

Adequacy Issue: Adequate **X** Inadequate

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date August 17, 2001

Technical Area: **Waste Management**

Project: **Spartan I Energy Center**

Technical Staff: Alvin Greenberg

Project Manager: Kevin Kennedy

Docket: **01-AFC-13**

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 5.14-4	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Sec. 5.14.6	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.14-4	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 5.14-5	Yes	

Adequacy Issue: Adequate **X** Inadequate

# **DATA ADEQUACY WORKSHEET** (Six Month Expedited Process)

Revision No. 0 Date August 23, 2001

Technical Area: **Waste Management**

Project: **Spartan I Energy Center**

Technical Staff: Alvin Greenberg

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Sec. 5.14.6	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Sec. 5.14.6	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		N/A	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Sec. 5.14.8 Table 5.14-4 Table 5.14-5	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 8-20-01

Technical Area: Water Resources

Project: Spartan I Energy Center

Technical Staff: Tony Mediati

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sec. 3.3 Page 3.3-1 Sec. 5.5 Page 5.5-1 Sec. 5.5.2.1.4 Page 5.5-7 Sec. 5.5.3 Page 5.5-8	No	Please provide a discussion of any monitoring plans proposed to verify the effectiveness of the mitigations.
Appendix B (g) (14) (A)	All information required by the Regional Water Quality Control Board in the region where the project will be located to apply for:		N/A	
Appendix B (g) (14) (A) (i)	Waste Discharge Requirements; and	Sec. 5.5.8 Page 5.5-12	No	Please verify and demonstrate that the plant will have no Waste Discharge Requirements as stated in section 5.5.8.
Appendix B (g) (14) (A) (ii)	a National Pollutant Discharge Elimination System Permit.	Sec. 5.5.8 Page 5.5-12	No	Provide all information required by the POTW holding the NPDES permit to accept the projects wastewater discharges. Include all effluent limits and all conditions contained in any required Industrial Wastewater Discharge Permit or similar permit which the project must meet to comply with the POTW's NPDES permit conditions and effluent limits. Include a description of any pretreatment requirements.
Appendix B (g) (14) (B)	A description of the hydrologic setting of the project. The information shall describe, in writing and on maps at a scale of 1:24,000, the chemical and physical characteristics of the following water bodies that may be affected by the proposed project:	Sec. 3.3.3 Page 3.3-2 Sec. 5.5.1.1.2 Page 5.5-2 to 5.5-5	No	Please provide a hydrologic map at 1:24,000  Please provide the chemical and physical characteristics of Coyote Creek if it receives storm runoff from the site.
Appendix B (g) (14) (B) (i)	Ground water bodies and related geologic structures;	Sec. 3.3.3.1 Page 3.3-3 Sec. 5.5.1.1.2 Page 5.5-4	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 8-20-01

Technical Area: Water Resources

Project: Spartan I Energy Center

Technical Staff: Tony Mediati

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (B) (ii)	Surface water bodies; and	Sec. 3.3.3.2 Page 3.3-3 Sec. 5.5.1.1.2 Page 5.5-3 to 5.5-4	Yes	
Appendix B (g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones.	Sec. 4.1.1.2 Page 4.4-1 Sec. 5.5.1.1.2 Page 5.5-5 Figure 5.5-2	Yes	
Appendix B (g) (14) (C)	A description of the water to be used and discharged by the project. This information shall include:	Sec. 1.4.7 Pages 1-6 Sec. 3.4.7.1 Page 3.4-6 Sec. 3.7.2 Page 3.7-1 Sec. 5.5.1.1.1 Page 5.5-2	N/A	
Appendix B (g) (14) (C) (i)	Source of the water and the rationale for its selection, and if fresh water is to be used for power plant cooling purposes, a discussion of all other potential sources and an explanation why these sources were not feasible;	Sec. 3.4.7 Pages 3.4-5 to 3.4-6 Sec. 4.3.5 Page 4.3-3 Sec. 5.5.1.1.1 Page 5.5-2	Yes	
Appendix B (g) (14) (C) (ii)	The physical and chemical characteristics of the source and discharge water;	Sec. 3.4.7 Pages 3.4-5 to 3.4-6 Sec. 3.4.7.2 Page 3.4-6 Sec. 5.5.2.1.1 Page 5.5-6 Appendix B Page 7	No	Information was provided for San Jose/ Santa Clara Water Pollution Control plant, please provide the physical and chemical characteristics of other source (back up) and discharge water.
Appendix B (g) (14) (C) (iii)	Average and maximum daily and annual water demand and waste water discharge for both the construction and operation phases of the project; and	Table 3.4-2 Page 3.4-6 Sec. 5.5.2.1.1 Page 5.5-6	No	Please provide the average and maximum daily and annual water demand and wastewater discharge for both the construction and operation phases of the project for process and potable water.
Appendix B (g) (14) (C) (iv)	A description of all facilities to be used in water conveyance, treatment, and discharge. Include a water mass balance diagram.	Sec. 1.4.7 Pages 1-6 Sec. 3.4.7.2 Page 3.4-6 Sec. 3.4.13.3.1 Page 3.4-10 Appendix B6	No	Will a discharge pipeline need to be constructed?

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 8-20-01

Technical Area: Water Resources

Project: Spartan I Energy Center

Technical Staff: Tony Mediati

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (D)	A description of pre-, and post-construction runoff and drainage patterns, including:	Sec. 3.5.1.8 Page 3.5-2 Sec. 3.5.2.9 Page 3.5-4 Sec 4.1.1.2 Pages 4.1-1 to 4.1-2 Sec. 5.5.2.1.2 Page 5.5-6 Appendix C Sec.3.3.2.4 Paeg C7	N/A	
Appendix B (g) (14) (D) (i)	Precipitation and storm runoff patterns; and	Sec. 3.4.7.4 Page 3.4-6	No	Please provide pre and post construction precipitation and storm runoff patterns.
Appendix B (g) (14) (D) (ii)	Drainage facilities and design criteria.	Sec. 3.5.4.2 Page 3.5-6 Sec. 5.5.2.1.2 Page 5.5-6 Appendix C Page 6	No	Show calculations that the existing drainage structures can handle the increased flows and the calculations to determine the increase in flow.
Appendix B (g) (14) (E)	An assessment of the effects of the proposed project on water resources. This discussion shall include:		N/A	
Appendix B (g) (14) (E) (i)	The effects of project demand on the water supply and other users of this source;	Sec. 3.4.7.3 Page 3.4-6 Sec. 5.5.2.1.1 Page 5.5-6	No	Please provide past, present and expected future supply and demand, and the potential for water curtailment or rationing.
Appendix B (g) (14) (E) (ii)	The effects of construction activities and plant operation on water quality; and	Sec. 5.5.2.1.4 Sec. 5.5.2.1.5 Pages 5.5-7 to 5.5-8	Yes	
Appendix B (g) (14) (iii)	The effects of the project on the 100-year flood plain or other water inundation zones.	Sec. 5.5.2.1.2 Page 5.5-6	No	What effects will a 400% increase is storm water runoff have on the 100-year flood plain or other water inundation zones.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 8-20-01

Technical Area: Water Resources

Project: Spartan I Energy Center

Technical Staff: Tony Mediati

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Sec. 5.5.6 Table 5.5-1 Pages 5.5-9 to 5.5-10 Sec. 7.5.5 Pages 7-19 to 7-21 Table 7.1-1 Pages 7-48 to 7-49	Yes	Will be adequate when the information requested above is provided.
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Sec. 5.5.6.1 Sec. 5.5.6.2 Sec. 7.5.5 Pages 7-19 to 7-21 Table 7.1-1 Pages 7-48 to 7-49	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table 5.5-1 Table 7.1-1 Pages 7-48 to 7-49	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Sec. 5.5.7 Pages 5.5-11 to 5.5-12	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Sec. 5.5.8 Pages 5.5-12	Yes	



Adequacy Issue: Adequate \_\_\_\_\_ Inadequate **X**

Technical Area: **Water Resources**

Project Manager: Kevin Kennedy

# **DATA ADEQUACY WORKSHEET** (Six Month Expedited Process)

Revision No. 0 Date 8-20-01

Technical Staff: Tony Mediati

Technical Senior: Dick Anderson

Project: **Spartan I Energy Center**

Docket: 01-AFC-13

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Sec. 7.5.5 Pages 7-19 to 7-21 Sec. 5.5.6 Table 5.5-1 Pages 5.5-9 to 5.5-10 Sec. 5.5.6.1 Sec. 5.5.6.2 Pages 5.5-10 to 5.5-11	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Table 7.1-1 Pages 7-48 to 7-49 Table 5.5-1 Pages 5.5-9 to 5.5-10	No	Please provide all information required by the POTW holding the NPDES permit to accept the projects wastewater discharges. Include all effluent limits and all conditions contained in any required Industrial Wastewater Discharge Permit or similar permit which the project must meet to comply with the POTW's NPDES permit conditions and effluent limits. Include a description of any pretreatment requirements.
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	Sec. 7.5.5 Pages 7-19 to 7-21 Sec 5.5.8 Page 5.5-12	No	Please provide compliance information on the Santa Clara County Ordinance on TDS.

Adequacy Issue:	Adequate _____ Inadequate <b>X</b>	<b>DATA ADEQUACY WORKSHEET</b>		Revision No.	0	Date	8-20-01
		<b>(Six Month Expedited Process)</b>					
Technical Area:	<b>Water Resources</b>	Project:	<b>Spartan I Energy Center</b>	Technical Staff:	Tony Mediati		
Project Manager:	Kevin Kennedy	Docket:	01-AFC-13	Technical Senior:	Dick Anderson		

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Sec. 7.5.5 Pages 7-19 to 7-21 Table 7.1-1 Pages 7-48 to 7-49	No	Please provide a list of requirements. It is not sufficient to state that there are requirements and they will be complied with.
§2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			
§2022(b)(2)(E) (Water)	If the project will result in a discharge of waste that could affect the water quality of the state, a complete report of proposed waste discharge as required by section 13260 of the Water Code. This will allow for issuance of waste discharge requirements by the appropriate regional water quality control board within 100 days after filing the application in accordance with Public Resources Code section 25550(d);	Sec. 5.5.8 Page 5.5-12 Sec. 5.5.2.1.1 Sec. 5.5.2.1.2 Page 5.5-6	No	Please provide report of proposed waste discharge as required by section 13260 of the Water Code.  Please provide conceptual Storm water drainage design and calculations to handle the increased runoff.
§2022(b)(5)(B) (Water)	A will-serve letter or similar document from each provider of water to the project, indicating each provider's willingness to provide water to the project and describing all conditions under which the water will be provided, and a discussion of all other contractual agreements with the applicant pertaining to the provision of water to the project.	Sec. 5.5.1.1.2 Pages 5.5-5 to 5.5-6 Sec. 5.5.1.1.1 Page 5.5-2	No	Please provide will-serve letters for:  Potable water (San Jose Municipal Water District).  Process water (San Jose/Santa Clara Water pollution Control Plant).

Adequacy Issue: Adequate **X** Inadequate

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 8/21/01

Technical Area: **Worker Safety**

Project: **Spartan I Energy Center**

Technical Staff: **Rick Tyler**

Project Manager: **Kevin Kennedy**

Docket: **01-AFC-13**

Technical Senior: **Rick Tyler**

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 5.17	Yes	
Appendix B (g) (11) (A)	A description of the safety training programs which will be required for construction and operation personnel.	Section 5.17.4	Yes	
Appendix B (g) (11) (B)	A complete description of the fuel handling system and the fire suppression system.	Sections 5.15.3	Yes	
Appendix B (g) (11) (C)	Provide draft outlines of the Construction Health and Safety Program and the Operation Health and Safety Program, as follows:	Section 5.17	Yes	
	Construction Health and Safety Program: * Injury and Illness Prevention Plan (8 Cal. Code Regs., § 1509);		Yes	
	* Fire Protection and Prevention Plan (8 Cal. Code Regs., § 1920);		Yes	
	* Personal Protective Equipment Program (8 Cal. Code Regs., §§ 1514-1522)			
	Operation Health and Safety Program: * Injury and Illness Prevention Program (8 Cal. Code Regs., § 3203);		Yes	
	* Fire Prevention Plan (8 Cal. Code Regs., § 3221);		Yes	
	* Emergency Action Plan (8 Cal. Code Regs., § 3220);		Yes	
	* Personal Protective Equipment Program (8 Cal. Code Regs., §§ 3401-3411).		Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 8/21/01

Technical Area: **Worker Safety**

Project: Spartan I Energy Center

Technical Staff: Rick Tyler

Project Manager: Kevin Kennedy

Docket: 01-AFC-13

Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 5.17.9	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 5.17.9	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 5.17.9	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 5.17-6	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 5.17-7	Yes	

Adequacy Issue: Adequate ☒ Inadequate

## DATA ADEQUACY WORKSHEET

(Six Month Expedited Process)

Revision No. 0 Date 8/21/01

Technical Area: **Worker Safety**

Project: Spartan I Energy Center

Technical Staff: Rick Tyler

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SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
§2022(b)(1) (All)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;	Section 5.17		
§2022(b)(1)(A) (All)	A list of such standards, ordinances, and laws;	Section 5.17	Yes	
§2022(b)(1)(B) (All)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Section 5.17	Yes	
§2022(b)(1)(C) (All)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		N/A	
§2022(b)(1)(D) (All)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;		N/A	